

CONTACT INFORMATION	<p>Rocky Slavin, PhD  Assistant Professor  Department of Computer Science  Core Faculty, School of Data Science  University of Texas at San Antonio  One UTSA Circle  San Antonio, TX 78249</p> <p><i>Phone:</i> 210-458-4436  <i>Email:</i> rocky.slavin@utsa.edu  <i>Web:</i> cs.utsa.edu/~rslavin  <i>Google Scholar:</i> galadriel.cs.utsa.edu/~rslavin/scholar</p>
EDUCATIONAL BACKGROUND	<p><b>Doctor of Philosophy, Computer Science</b> <span style="float: right;"><b>August 2017</b></span>  Department of Computer Science  University of Texas at San Antonio, San Antonio, TX</p> <ul style="list-style-type: none"> <li>• <i>Advisor:</i> Dr. Jianwei Niu</li> <li>• <i>Dissertation Title:</i> Applying Semantic Analysis for the Alignment of Natural Language Privacy Policies with Android Application Code</li> </ul> <p><b>Bachelor of Science, Computer Science</b> <span style="float: right;"><b>May 2012</b></span>  Department of Computer Science  University of Texas at San Antonio, San Antonio, TX</p> <ul style="list-style-type: none"> <li>• <i>Concentration:</i> Computer and Information Security</li> </ul>
PROFESSIONAL EMPLOYMENT HISTORY	<p><b>The University of Texas at San Antonio</b>, San Antonio, TX</p> <ul style="list-style-type: none"> <li>• Assistant Professor <span style="float: right;"><b>August 2020 - Present</b></span>  Department of Computer Science</li> <li>• Assistant Professor of Practice <span style="float: right;"><b>September 2017 - August 2020</b></span>  Department of Computer Science</li> </ul>
TEACHING	<p><b>Computer Science - Software Engineering Concentration</b></p> <ul style="list-style-type: none"> <li>• Undergraduate and Graduate Concentration Coordinator</li> </ul> <p><b>CS4413 - Web Technologies</b></p> <ul style="list-style-type: none"> <li>• Course Creator</li> <li>• This course was created in response for specific student demand for me to offer it. In response, I specifically designed the course to prepare students for industry standards. This included the construction of a bare-metal hypervisor using spare or marked-for-surplus parts to host individual virtual machines for each student to practice deployment in a similar environment as in industry.</li> <li>• During the first offering of this course, I received a 4.98 out of 5.0 student evaluation with 52 of 70 students responding. Notably, this was during the first semester as a tenure track professor and the course was conducted online due to the Covid pandemic.</li> <li>• <i>Mean Student Evaluation:</i> 4.8/5.0</li> <li>• <i>Description:</i> Fundamentals of Web and component technology: markup languages, layout design, client and server side programming, database and Web integration.</li> </ul> <p><b>CS4683 - Secure Software Development and Analysis</b></p> <ul style="list-style-type: none"> <li>• Course Creator</li> </ul>

- Created as part of UTSA’s designation as a Center for Academic Excellence in Cyber Operations (CAE-CO) by the National Security Agency (NSA).
- *Mean Student Evaluation:* 4.6/5.0
- *Description:* Analysis of software for vulnerabilities. Development of robust, secure software. Topics include source and binary code analysis, static and dynamic code analysis techniques, testing methodologies, secure programming principles and practices.

**CS3423 - Systems Programming**

- Course Coordinator
- *Mean Student Evaluation:* 4.7/5.0
- *Description:* Concepts and knowledge on system booting, memory management, process and scheduling, interrupt handling, system calls, file systems, networking, device drivers and module programming. Runtime systems. Programming kernel modules in Linux.

**CS3773 - Software Engineering**

- *Mean Student Evaluation:* 4.54/5.0
- *Description:* Introduction to different aspects of software engineering with the concentration on processes, methods, and tools for developing reliable software-centered systems. Study of software development process models, project management, a variety of modeling notations, requirement analysis, architecture design methods, and testing techniques.

STUDENTS

- **Farhan Romit** **2023 - present**
  - Undergraduate Research Assistant
  - *Topic:* IoT Device Classification
- **Sadia Jahan** **2022 - present**
  - Ph.D. Student
  - *Topic:* Mobile Privacy
- **Gabriel Morales** **2021 - present**
  - Ph.D. Student
  - *Topic:* IoT Privacy
- **Keven Beasley** **2022**
  - Internship Sponsorship
  - *Internship:* UTSA Cybersecurity Operations Center
- **Adam Bienek-Parrish** **2022**
  - Undergraduate Independent Study
  - *Topic:* Network Traffic Flow
- **Patrick Jenkins** **2022**
  - Undergraduate Independent Study
  - *Topic:* Network Traffic Flow
- **Alan Cabrera** **2021**
  - Internship Sponsorship
  - *Internship:* Air Force Civilian Service

- **Christopher De Leon** **2021 - 2022**
  - M.S. Student
  - *Topic:* IoT Privacy
- **Matthew Martinez** **2020 - 2022**
  - M.S. in Computer Science
  - *Topic:* Chaos Theory and Its Application to Image Encryption
- **Tyler Frank** **2020 - 2022**
  - M.S. in Cybersecurity Science Student
  - *Topic:* Zigbee IoT Vulnerabilities
- **Christopher Crabtree** **2019-2021**
  - Post-Baccalaureate
  - *Topic:* Automated Mapping of Information Types to Sensitive API Methods
- **Samuel Eastwood** **2021**
  - Undergraduate Independent Study
  - NSF REU
  - *Topic:* Mobile Privacy
- **Heila Shahidi** **2021**
  - Undergraduate Independent Study
  - *Topic:* Natural Language Privacy Policies
  - Internship Sponsorship
  - *Internship:* MITRE
- **Chelsea Flores** **2021**
  - M.S. Student
  - *Topic:* Natural Language Processing Applied to the Description-to-Behavior Fidelity Problem
- **Eddie Martinez** **2020**
  - M.S. Student
  - *Topic:* Mobile Application Privacy Policy Violation Detection and Privacy Policy Generation
- **Sang Choi** **2020**
  - M.S. Student
  - *Topic:* Searchable Encryption for Cloud Providers
- **Graeson Smith** **2021**
  - Internship Sponsorship
  - *Internship:* BIF Technologies
- **Craig Parker** **2021**
  - Undergraduate Independent Study
  - *Topic:* Android App-Policy Repository
- **Brian King** **2021**
  - Undergraduate Independent Study
  - *Topic:* Android App-Policy Repository

- **Kevin Jones** **2021**
  - Internship Sponsorship
  - *Internship:* ManTech
- **David Akusu** **2020**
  - Internship Sponsorship
  - *Internship:* MITRE
- **Emma Brown** **2020**
  - Internship Sponsorship
  - *Internship:* Southwest Research Institute
- **Oscar Ortiz** **2020**
  - Internship Sponsorship
  - *Internship:* Northrop Gumman Corp
- **Mark Conrad** **2020**
  - Internship Sponsorship
  - *Internship:* Chevron
- **Brian King** **2020**
  - Internship Sponsorship
  - *Internship:* United Health Group
- **Geoffrey Sessums** **2019**
  - Undergraduate Independent Study
  - *Topic:* Web Technology – REST APIs
- **Vishalkumar Patel** **2019**
  - Undergraduate Independent Study
  - *Topic:* Web Technology – REST APIs
- **Seth Greco** **2018–2019**
  - Undergraduate Independent Study
  - *Topic:* Web Technology – REST APIs
- **Yenjea Jung** **2018**
  - Electrical Engineering Senior Design Project
  - *Topic:* Raspberry Pi Home Security Web Service
- **Daniel Mancera** **2018**
  - Electrical Engineering Senior Design Project
  - *Topic:* Raspberry Pi Home Security Web Service
- **Javier Gonzales** **2018**
  - Electrical Engineering Senior Design Project
  - *Topic:* Raspberry Pi Home Security Web Service
- **Ben Barela** **2018**
  - Undergraduate Independent Study
  - *Topic:* SQL Injection and OWASP ZAP
- **Isaac Butriago** **2018**
  - Internship Sponsorship
  - *Internship:* Southwest Research Institute

- **Bryce Bosen** **2018**
  - Internship Sponsorship
  - *Internship*: HEB
- **Adrian Martinez** **2018**
  - Undergraduate Independent Study
  - *Topic*: Unity Game Development
- **Jonathan Trejo** **2018**
  - Undergraduate Independent Study
  - *Topic*: iOS App Development
- **Bryan Burkhardt** **2018**
  - Undergraduate Independent Study
  - *Topic*: Laravel Web Development
- **Michael Geyer** **2018**
  - Graduate Independent Study
  - *Topic*: Canonicalization of Privacy Terms

HONORS AND AWARDS

- UTSA College of Sciences Banner Marshal **Spring 2023**
- IEEE Workshop on the Internet of Safe Things Best Paper Award **2023**
- Presidential Faculty Excellence in Teaching Award **2023**
- Nominated (Department): Piper Professor Teaching Award **2022**
- UTSA College of Sciences Banner Marshal **Fall 2022**
- UTSA CS Department T/TT Faculty Teaching Award **2022**
- Nominated (College): Presidential Faculty Excellence in Teaching Award **2022**
- Nominated (Department): Regents' Outstanding Teaching Award **2021**
- Working Conference on Requirements Engineering: Foundation for Software Quality Distinguished Research Paper Award **2020**
- Nominated (Department): Presidential Faculty Excellence in Teaching Award **2019**
- Nominated (Department): Regents' Outstanding Teaching Award **2019**
- Carlos Alvarez Graduate Fellowship **2017**
- ACM SIGSOFT CAPS Award **2016**
- Armed Forces Communications and Electronics Association Cyber Security Scholarship **2014–2015**
- Armed Forces Communications and Electronics Association Cyber Security Scholarship **2013–2014**
- Graduate Diversity Recruitment Fellowship **2012–2013**
- Armed Forces Communications and Electronics Association Cyber Security Scholarship **2011–2012**
- HEB Developer Challenge First Place Recipient **2011**
- University of Texas at San Antonio President's List **Fall 2009**
- University of Texas at San Antonio Dean's List **Spring 2005**

PUBLICATIONS

*Google Scholar*: <https://galadriel.cs.utsa.edu/~rslavin/scholar>

**Refereed Journal Publications**

- [1] Xueling Zhang, John Heaps, **Rocky Slavin**, Jianwei Niu, Travis D. Breaux, and Xiaoyin Wang. DAISY: Dynamic-Analysis-Induced Source Discovery for Sensitive Data. In: ACM Transactions on Software Engineering and Methodology (TOSEM). 2022.

- **Citations:** *to appear*
  - **Conference Impact Factor:** 2.674
- [2] Mitra Bokaei Hosseini, **Rocky Slavin**, Travis D. Breaux, and Jianwei Niu. Analyzing Privacy Policies through Syntax-Driven Semantic Analysis of Information Types. In: *Information and Software Technology*. 2021.
- **Citations:** 5
  - **Conference Impact Factor:** 3.862
- [3] Hui Shen, Ram Krishnan, **Rocky Slavin**, and Jianwei Niu. Sequence Diagram Aided Security Policy Specification. In: *IEEE Transactions on Dependable and Secure Computing (TDSC)*, vol 13, No 3, pp 381-393, 2015.
- **Citations:** 9
  - **Conference Impact Factor:** 6.404

### Refereed Conference Proceedings

- [4] **Best Paper Award** Gabriel A. Morales, Adam Bienek-Parrish, Patrick Jenkins, and **Rocky Slavin**. Protocol-Agnostic IoT Device Classification on Encrypted Traffic using Link-Level Flows. In: *IEEE Workshop on the Internet of Safe Things (SafeThings) - Cyber-Physical Systems and Internet of Things Week (CPS-IoT Week) Workshops*, 2023.
- **Citations:** *to appear*
- [5] Gabriel A. Morales, Jingye Xu, Dakai Zhu, and **Rocky Slavin**. Lightweight Collaborative Inferencing for Real-Time Intrusion Detection in IoT Networks. In: *10th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC)*, 2022.
- **Citations:** *to appear*
  - **Conference Impact Factor:** 2.30
- [6] Zhiwei Wang, Kevin Liu, Jingye Xu, Jingjing Chen, Yufang Jin, and **Rocky Slavin**. A Vision-based Low-cost Power Wheelchair Assistive Driving System for Smartphones. In: *18th IEEE International Conference on Embedded Software Systems (ICSS)*, 2022.
- **Citations:** *to appear*
  - **Conference Impact Factor:** 0.40
- [7] Mitra Bokaei Hosseini, John Heaps, **Rocky Slavin**, Travis D. Breaux, and Jianwei Niu. Ambiguity and Generality in Natural Language Privacy Policies. In: *29th IEEE International Requirements Engineering Conference (RE)*, 2021.
- **Citations:** 1
  - **Conference Impact Factor:** 2.60
- [8] Xueling Zhang, Xiaoyin Wang, **Rocky Slavin**, Jianwei Niu. ConDySTA: Context-Aware Dynamic Supplement to Static Taint Analysis. In: *42nd IEEE Symposium on Security and Privacy (S&P)*, 2021.
- **Citations:** 8
  - **Conference Impact Factor:** 13.60
- [9] **Distinguished Research Paper Award** Mitra Bokaei Hosseini, **Rocky Slavin**, Travis D. Breaux, Xiaoyin Wang, and Jianwei Niu. Disambiguating Requirements through Syntax-Driven Semantic Analysis of Information Types. In: *26th International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ)*, 2020.
- **Citations:** 5
  - **Conference Impact Factor:** 1.70

- [10] **SIGSOFT Research Highlight** Xueling Zhang, Xiaoyin Wang, **Rocky Slavin**, Travis D. Breaux, and Jianwei Niu. How Does Misconfiguration of Analytic Services Compromise Mobile Privacy? In: *42nd ACM/IEEE International Conference on Software Engineering (ICSE)*, 2020.
- **Citations:** 11
  - **Conference Impact Factor:** 11.80
- [11] Xueling Zhang, **Rocky Slavin**, Xiaoyin Wang, Jianwei Niu. Privacy Assurance for Android Augmented Reality Apps. In: *24th IEEE Pacific Rim International Symposium on Dependable Computing (PRDC)*, pp 114-1141, 2019.
- **Citations:** 10
  - **Conference Impact Factor:** 1.40
- [12] Xiaoyin Wang, Xue Qin, Mitra Bokaei Hosseini, **Rocky Slavin**, Jaspreet Bhatia, Travis D. Breaux, and Jianwei Niu. GUILeak: Tracing Privacy Policy Claims on User Input Data for Android Applications. In: *40th ACM/IEEE International Conference on Software Engineering (ICSE)*, pp 37-47, 2018.
- **Citations:** 71
  - **Conference Impact Factor:** 11.80
- [13] John Heaps, **Rocky Slavin**, Xiaoyin Wang. Toward a Code Pattern Based Vulnerability Measurement Model. In: *23rd ACM Symposium on Access Control Models and Technologies (SACMAT)*, pp 209-211, 2018.
- **Citations:** 1
  - **Conference Impact Factor:** 2.70
- [14] **Rocky Slavin**, Xiaoyin Wang, Mitra Hosseini, William Hester, Ram Krishnan, Jaspreet Bhatia, Travis D. Breaux, and Jianwei Niu. Toward a Framework for Detecting Privacy Policy Violations in Android Application Code. In: *38th ACM/IEEE International Conference on Software Engineering (ICSE)*, pp 25-36, 2016.
- **Citations:** 184
  - **Conference Impact Factor:** 11.80
- [15] **Rocky Slavin**, Xiaoyin Wang, Mitra Hosseini, William Hester, Ram Krishnan, Jaspreet Bhatia, Travis D. Breaux, and Jianwei Niu. PVDetector: A Detector of Privacy Policy Violations for Android Apps. In: *IEEE/ACM International Conference on Mobile Software Engineering and Systems (MOBILESoft)*, pp 299-300, 2016.
- **Citations:** 14
  - **Conference Impact Factor:** 1.70
- [16] **Rocky Slavin**, Jean-Michel Leher, Jianwei Niu, and Travis D. Breaux. Managing Security Requirements Patterns using Feature Diagram Hierarchies. In: *22nd IEEE International Requirements Engineering Conference (RE)*, pp 193-202, 2014.
- **Citations:** 22
  - **Conference Impact Factor:** 2.60

#### Refereed Workshop Proceedings

- [17] Steven O'Hara and **Rocky Slavin**. Modernizing Parsing Tools: Parsing and Analysis with Object-Oriented Programming. In: *8th ACM SIGPLAN International Workshop on the State Of the Art in Program Analysis (SOAP'19)*, 2019.
- **Citations:** 0

- [18] **Rocky Slavin**, Hui Shen, and Jianwei Niu. Characteristics and Boundaries of Security Requirements Patterns. In: *2nd International Workshop on Requirements Patterns (RePa)*, 2012.
- Citations: 14

### Technical Reports

- [19] **Rocky Slavin**, Xiaoyin Wang, Mitra Bokaei Hosseini, Jianwei Niu, Jaspreet Bhatia, Travis D. Breaux. PoliDroid-AS: A Privacy Policy Alignment Plugin for Android Studio. Technical Report CSTR-2017, University of Texas at San Antonio Department of Computer Science, 2017.
- [20] Hanan, Hibshi, **Rocky Slavin**, Jianwei Niu, Travis D. Breaux. Rethinking Security Requirements in RE Research. Technical Report CSTR-2014-001, University of Texas at San Antonio Department of Computer Science, 2014.
- [21] Hui Shen, Ram Krishnan, **Rocky Slavin**, and Jianwei Niu. Sequence Diagram Aided Security Policy Specification. Technical Report CSTR-2014-005, University of Texas at San Antonio Department of Computer Science, 2014.

### Posters and Fast Abstracts

- [22] Chris Crabtree, **Rocky Slavin**, Xiaoyin Wang, Jianwei Niu. Using Deep Learning to Bridge the Semantic Gap between Natural Language and Code: An Automated Approach to Improve Privacy Policy Misalignment Scalability. In: *National Science Foundation Secure and Trustworthy Cyberspace PI Meeting*, 2019.
- [23] Xueling Zhang, **Rocky Slavin**, Xiaoyin Wang, and Jianwei Niu. Privacy assurance for Android Augmented Reality Apps. In: *24th IEEE Pacific Rim International Symposium on Dependable Computing (PRDC'19)*., 2019.
- [24] John Heaps, **Rocky Slavin**, and Xiaoyin Wang. Toward a Code Pattern Based Vulnerability Measurement Model. In: *Proceedings of the 23rd ACM Symposium on Access Control Models and Technologies (SACMAT'18)*., 2018.
- [25] **Rocky Slavin**, Xiaoyin Wang, Mitra Bokaei Hosseini, William Hester, Ram Krishnan, Jaspreet Bhatia, Travis D. Breaux, and Jianwei Niu. Toward a Framework for Detecting Privacy Policy Violation in Android Application Code. In: *University of Texas at San Antonio, College of Sciences Research Conference*, 2015.
- [26] Jean-Michel Lehker, **Rocky Slavin**, and Jianwei Niu. Integration of Security Pattern Selection Practices with Pattern Storage. In: *Symposium and Bootcamp on the Science of Security (HotSoS)*, 2014.
- [27] **Rocky Slavin**, Jean-Michel Lehker, and Jianwei Niu. Managing Security Requirements Patterns using Feature Diagram Hierarchies. In: *University of Texas at San Antonio, College of Sciences Research Conference*, 2013.
- [28] **Rocky Slavin**, Hui Shen, and Jianwei Niu. Characteristics and Boundaries of Security Requirements Patterns. In: *University of Texas at San Antonio, College of Sciences Research Conference*, 2012.

### ARTICLES AND INTERVIEWS

- Christopher Reichert “What is Data Science?”, *UTSA Today*, 2023.
- Ryan Schoensee. “Good to Know: Rocky Slavin”, *Catalyst*, 2022.



- Rosalinda Montero. “UTSA School of Data Science Joins Prestigious Organization Driving Social Impact”, *UTSA Today*, 2022.
- **Rocky Slavin**. “Transparent Traffic Monitoring with Honeynets”, *IEEE Academy on Internet of Things (IoT)*, 2021.
- Paul Flahive. “UTSA Team Develops Tool Analyzing App Privacy”, *Texas Public Radio*, 2016.
- **Rocky Slavin**. “Does your Android App Collect More than it Promises to?”, *IEEE Software Blog*, 2016.

SCHOLARLY  
PRESENTATIONS

**Refereed Conference Talks**

- “Toward a Framework for Detecting Privacy Policy Violations in Android Application Code”, *28th ACM/IEEE International Conference on Software Engineering (ICSE)*, 2016, Austin, USA.
- “Managing Security Requirements Patterns using Feature Diagram Hierarchies”, *22nd IEEE International Requirements Engineering Conference (RE)*, 2014, Karlskrona, Sweden.
- “Characteristics and Boundaries of Security Requirements Patterns”, *2nd International Workshop on Requirements Patterns (RePa) co-located with 20th IEEE International Requirements Engineering Conference (RE)*, 2012, Chicago, USA.

**Invited Talks**

- “Software Security”, *CyberWarriors Summer Camp*, 2022, USA.
- “Success through Failure”, *Dean’s Student Board for the College of Sciences, University of Texas at San Antonio*, 2021, USA.
- “Software Security”, *CyberWarriors Summer Camp*, 2021, USA.
- “Access Control Mechanisms”, *Cybersecurity Policy and Law, St. Mary’s University*, 2021, USA.
- “Authentication for the Web”, *Cybersecurity Policy and Law, St. Mary’s University*, 2020, USA.
- “Toward a Framework for Detecting Privacy Policy Violation in Android Application Code”, *College of Sciences Research Conference, University of Texas at San Antonio*, 2015, USA.
- “Characteristics and Boundaries of Security Requirements Patterns”, *University of Texas at San Antonio, College of Sciences Research Conference*, 2012, USA.

FUNDED GRANTS

- **Co-PI (40%)**: Capacity Accelerator Network: Building an Open, Modular, Experiential, Data Science Social Impact Curriculum  
*New Venture Fund*  
**\$115,000** **2022–2023**
- **Co-PI (15%)**: Automated Techniques for Cyber Risk Detection and Mitigation in the Presence of Malicious AI Attacks  
*National Security Agency (NSA)*  
**\$499,968** **2021–2022**

- **Co-PI (20%):** A Flexible Testbed for Cyber Deception, Cyber Hardening, and Disinformation Research  
*U.S. Department of Defense (DoD)*  
**\$472,921** **2021**
- **Co-PI (25%):** Cyber Defense of Smart Facilities Using Machine Learning and IoT Honeynets  
*National Security Agency (NSA)*  
**\$150,000** **2020–2021**
- **PI (100%):** CRII: SaTC: Automatic Generation of API to Natural Language Data Type Mappings for Developer and End User Privacy Risk Mitigation  
*National Science Foundation (NSF)*  
**\$175,000** **2020–2023**  
**\$8,000 (REU Supplement)** **2021**
- **Senior Personnel:** MSRDC, Department of the Army: A Pattern-Based measurement Model for Improving Software Reliability  
*MSI STEM Research & Development Consortium (MSRDC)*  
(PI: Jianwei Niu) **2017–2018**

GRADUATE  
COMMITTEE  
SERVICE

- **Nisha Sureshkanth** **Fall 2022**
  - PhD Proposal
  - *Title:* Pedestrian safety, security and privacy in the era of mobile and ubiquitous computing
- **Matthew Martinez** **Fall 2022**
  - Master’s Non-thesis (**Committee Chair**)
- **Sean Soderman** **Summer 2022**
  - PhD Defense
  - *Title:* Staircase Polygons, and Future Work Involving the Correction of Avian Flight Pattern Data
- **Kavita Kumari** **Summer 2022**
  - PhD Proposal
  - *Title:* When and How to Protect? Modeling Repeated Interactions with Computing Services under Uncertainty
- **Xueling Zhang** **Summer 2022**
  - PhD Defense
  - *Title:* Reducing False Negatives in Taint Analysis via Hybrid Source Inference
- **Joseph Miller** **Spring 2022**
  - Master’s Thesis
  - *Title:* FLIR Cameras for Smart HVAC Systems
- **Rodney Rodriguez** **Spring 2022**
  - PhD Defense
  - *Title:* Static File Path Analysis for Reliable Resource Locating
- **Shabnam Mustafa** **Spring 2022**
  - Master’s Non-thesis

- **Tyler Frank** **Spring 2022**
  - Master's Non-thesis (**Committee Chair**)
- **Chelsea Flores** **Fall 2021**
  - Master's Non-thesis (**Committee Chair**)
- **Joseph Rocha** **Fall 2021**
  - Master's Non-thesis
  - *Title:* Identification and Correlation of Cyber Events During Incident Response
- **Rodney Rodiriguez** **Fall 2021**
  - PhD Proposal
  - *Title:* Static File Path Analysis for Reliable Resource Locating
- **Nicholas Gonzales** **Fall 2021**
  - Master's Non-thesis (**Committee Chair**)
- **Xueling Zhang** **Summer 2021**
  - PhD Proposal
  - *Title:* Reducing False Positives in Taint Analysis via Hybrid Source Inference
- **Sang Choi** **Fall 2020**
  - Master's Non-thesis (**Committee Chair**)
  - *Title:* Searchable Encryption for Cloud Providers
- **Eddie Martinez** **Fall 2020**
  - Master's Non-thesis (**Committee Chair**)
  - *Title:* Mobile Application Privacy Policy Violation Detection and Privacy Policy Generation
- **John Heaps** **Fall 2020**
  - PhD Defense
  - *Title:* Automated Software Privacy Analysis via Word and Code Embeddings
- **Alexander Downey** **Fall 2022**
  - Master's Project
- **Xiaochen Zou** **Summer 2022**
  - Master's Project
- **Jarred Deeley** **Fall 2019**
  - Master's Project
  - *Title:* Automatic Android Accounts
- **Aaron Bray** **Fall 2019**
  - Master's Project
  - *Title:* To Catch a Ditto

SERVICE  
ACTIVITIES

**University of Texas at San Antonio**

- Open Rank Search Committee for Director, Data Science Studies 2022–present

**UTSA College of Sciences**

- Commencement Banner Marshal Spring 2023
- Commencement Banner Marshal Fall 2022

**UTSA Department of Computer Science**

- Software Engineering Concentration Coordinator (Undergraduate and Graduate) 2022–present
- Graduate Studies Committee 2022–present
- Department Secretary 2020–present
- FTT Search Committee 2021–2022
- Student Success Committee 2020–2021
- FTT Search Committee 2019–2020
- Communications Committee 2019–2020
- Lab & Facilities Committee 2018–2020
- FTT Search Committee 2018–2019
- Curriculum Committee 2017–2018
- Systems Programming Course Coordinator 2017–2021
- Communications Committee 2017–2018

**Professional**

- **Web Chair** 2023  
Cyber-Physical Systems and Internet-of-Things Week (CPS-IoT)
- **Reviewer** 2022  
ACM Transactions on Software Engineering and Methodology (TOSEM)
- **Program Committee** 2022  
International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE)
- **Program Committee** 2022  
International Conference on Emerging Security Information, Systems and Technologies (SECUREWARE)
- **Travel Grant Chair** 2022  
ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec)
- **Program Committee** 2022  
International Conference on Advances and Trends in Software Engineering (SOFT-ENG)
- **Program Committee** 2021  
International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE)
- **Reviewer** 2021  
ACM Transactions on Privacy and Security (TOPS)
- **Reviewer** 2021  
IEEE Transactions on Secure and Dependable Computing (TDSC)
- **Reviewer** 2021  
Natural Language Engineering (NLE)
- **Program Committee** 2021  
International Conference on Advances and Trends in Software Engineering

- **Program Committee** 2020  
International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE)
- **Program Committee** 2020  
Hawaii International Conference on System Sciences (HICS)
- **Reviewer** 2020  
Information Fusion
- **Reviewer** 2020  
Applied Sciences – Open Access Journal
- **Reviewer** 2020  
Computers and Electrical Engineering (CEE)
- **Reviewer** 2020  
IEEE Transactions on Secure and Dependable Computing (TDSC)
- **Program Committee** 2020  
International Conference on Advances and Trends in Software Engineering (SOFT-ENG)
- **Textbook Reviewer** 2019  
Ian Sommerville. *Engineering Software Products*
- **Reviewer** 2019  
British Medical Journal (BMJ) Innovations
- **Program Committee** 2019  
International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE)
- **Reviewer** 2018  
Future Generation Computer Systems (FGSC)
- **Program Committee** 2018  
International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE)
- **Program Committee** 2018  
International Conference on Advances and Trends in Software Engineering (SOFT-ENG)
- **Program Committee** 2017  
International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE)