ANANTA SONEJI

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EDUCATION

Doctor of Philosophy, Computer Science 2019 - Present
Ira A. Fulton School of Engineering, Arizona State University GPA: 4.00
Advisor: Dr. Adam Doupé
Dissertation Title: *Cybersecurity Chronicles: A Qualitative Investigation of Safety, Security, and Scientific Perceptions*

Master of Computer Science 2017 - 2019
Ira A. Fulton School of Engineering, Arizona State University GPA: 4.00

Bachelor of Technology in Information and Communication Technology 2013 - 2017
(Honors with Minor in Computational Science) GPA: 7.81/10
Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), India

PEER-REVIEWED PUBLICATIONS

1. "I feel physically safe but not politically safe": Understanding the Digital Threats and Safety Practices of OnlyFans Creators
   Ananta Soneji, Vaughn Hamilton, Adam Doupé, Allison McDonald, and Elissa M. Redmiles
   In 33st USENIX Security Symposium (USENIX Security 24), Philadelphia, PA, August 2024
2. "Watching over the shoulder of a professional": Why hackers make mistakes and how they fix them
   Irina Ford, **Ananta Soneji**, Faris Bugra Kokulu, Jayakrishna Vadayath, Zion Leonahenahe Basque, Gaurav Vipat, Adam Doupé, Ruoyu Wang, Gail-Joon Ahn, Tiffany Bao, and Yan Shoshitaishvili
   Proceedings of the 45th IEEE Symposium on Security and Privacy (Oakland), San Francisco, CA, May 2024
3. "Nudes? Shouldn't I charge for these?": Motivations of New Sexual Content Creators on OnlyFans
   Honorable Mention (Top 5%)
   Vaughn Hamilton, **Ananta Soneji**, Allison McDonald, Elissa M. Redmiles
   Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI'23), Hamburg, Germany, April 2023
4. "Flawed, but like democracy we don't have a better system": The Experts' Insights on the Peer Review Process of Evaluating Security Papers
   Ananta Soneji, Faris Bugra Kokulu, Carlos Rubio-Medrano, Tiffany Bao, Ruoyu Wang, Yan Shoshitaishvili, Adam Doupé
   Proceedings of the 43rd IEEE Symposium on Security and Privacy (Oakland), San Francisco, CA, May 2022
5. Matched and Mismatched SOCs: A Qualitative Study on Security Operations Center Issues
   Faris Bugra Kokulu, **Ananta Soneji**, Tiffany Bao, Yan Shoshitaishvili, Ziming Zhao, Adam Doupé, and Gail-Joon Ahn
   The 26th ACM Conference on Computer and Communications Security (CCS), London, UK, November, 2019

WORK EXPERIENCE

Graduate Research Assistant May 2018 - Present
Security Engineering for Future Computing lab (SEFCOM), ASU *Tempe, AZ*

- Research focused on qualitative investigation of security and privacy concepts from the human perspective
- Published five peer-reviewed academic papers at top-tier conferences such as IEEE S&P (Oakland), USENIX Security, ACM CCS, and ACM CHI
- Leading and managing research projects across the study life cycle: literature review, research goals and questions, study design, data collection, data analysis, reporting insightful results, and designing analysis-driven recommendations
- Collecting participant data primarily through interviews and performing data processing to refine collected data for further data analysis following institutional ethical policies and procedures designed for human subjects research studies
- Developing Code Systems for qualitative data analysis using tools such as Google Sheets, and Qualitative data analysis softwares (e.g.: MAXQDA, Delve)
- Synthesizing research findings to design recommendations and ignite further research as well as discussions
- Authoring, publishing, and presenting academic publications at top-tier security conferences

- Continuously demonstrating ability and enthusiasm to acquire new skills and knowledge in diverse areas of user research: research methods, study design, and research tools

Applied ELSI Research Intern Jan 2023 - May 2023
Sage Bionetworks, Advisor: Megan Doerr *Remote*

- Selected to evaluate the "health" of data collection process for the All of Us research program (NIH)
- Led interactive remote focus groups with program stakeholders to identify community sourced metrics and derive novel evaluation criteria for development and testing
- Coded qualitative data using Delve (qualitative coding web-based platform for collaborative coding)
- Analyzed focus group data and shared insights through reports and presentations

Research Intern Jan 2022 - April 2022
Max Planck Institute for Software Systems, Advisor: Dr. Elissa M. Redmiles *Saarbrücken, Germany*

- Published two qualitative works exploring : 1) the motivations of OnlyFans creators (new to sex work) to join the platform; create and share sexual content and 2) the digital threats and safety practices of OnlyFans creators
- Analyzed interview data of OnlyFans (a web-based social media platform) creators, identifying major themes in motivations, business models, online threat models, and safety strategies
- Performed literature review to gain relevant background knowledge in gig economy, content creation, and sex work
- Developed a Code System in MAXQDA through an iterative open coding process
- Collaborated with fellow research associates to refine the Code System by forming clear definitions for top categories, removing redundancies, and calculating ongoing inter-coder reliability scores
- Identified major themes about creators' motivations for creating content on OnlyFans, business models, pricing strategies, promotion strategies, content creation strategies, compliance and understanding of terms of service, online risks, safety and privacy strategies, and coping mechanisms from negative experiences

PROFESSIONAL SERVICE

Program Committee Member, CSET 2024

Poster Jury, SOUPS 2024

External Reviewer, CHI 2024

Program Committee Member, CSET 2023

Mentoring Junior Co-Chair, SOUPS 2022

TEACHING EXPERIENCE

- Teaching Assistant, CSE 365: Introduction to Information Assurance, ASU Fall 2021
- Teaching Assistant, CSE 110: Principle of Programming (Java), ASU Fall 2017

MENTORSHIP EXPERIENCE

- Ph.D. Students, SEFCOM, ASU – Souradip Nath, Irina Ford
- Undergraduate Student, ASU – Easton Kelso

SCHOLARSHIPS

- ASU Engineering Graduate Fellowship – 2018, 2019, and 2020

SKILLS

- Strong coding skills in Python, Java, R, C/C++ and web development skills in HTML, CSS, JavaScript, d3.js, Bootstrap
- Experience with software: MATLAB, NetBeans, Android Studio, R, Weka, Eclipse, Tableau, Gephi