

# ANANTA SONEJI

<https://anantasoneji.com> || [asoneji@asu.edu](mailto:asoneji@asu.edu) || Tempe, AZ – 85281

## Education

### Doctor of Philosophy, Computer Science

Ira A. Fulton School of Engineering, Arizona State University, Tempe

*Advisor: Dr. Adam Doupé*

*Tentative Dissertation Title: Understanding Users' Security Thoughts through Qualitative Analysis*

**GPA: 4.00**

May 2024

### Master of Computer Science

Ira A. Fulton School of Engineering, Arizona State University, Tempe

*Courses: Natural Language Processing, Foundation of Algorithm, Adaptive Web, Statistical Machine Learning*

**GPA: 4.00**

May 2019

### Bachelor of Technology in Information and Communication Technology (Honors with Minor in Computational Science)

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), India

**GPA: 7.81/10**

May 2017

## Peer-reviewed Publications

- “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.  
In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI’23)*, Hamburg, Germany, April 2023
- “Flawed, but like democracy we don’t have a better system”: The Experts’ Insights on the Peer Review Process of Evaluating Security Papers.  
*[Acceptance rate: 147/1012, ~14.5%]*  
**Ananta Soneji**, Faris Bugra Kokulu, Carlos Rubio-Medrano, Tiffany Bao, Ruoyu Wang, Yan Shoshitaishvili, Adam Doupé.  
In *Proceedings of the 43rd IEEE Symposium on Security and Privacy (Oakland)*, San Francisco, CA, May 2022
- Matched and Mismatched SOCs: A Qualitative Study on Security Operations Center Issues.  
*[Acceptance rate: 149/933, ~16%]*  
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 · Nov 1, 2019

## Professional Service

- Program Committee Member, CSET 2023
- Mentoring Junior Co-Chair, SOUPS 2022

## Professional Experience

Graduate Research Assistant, Security Engineering for Future Computing lab (SEFCOM), ASU May ‘18–Present

- Research focused on **qualitative investigation, comprehension, and mitigation of security and privacy issues and concepts from the human perspective**
- Published *three* peer reviewed academic papers at the *top-tier conferences* such as *IEEE S&P (Oakland)*, *CCS*, and *CHI*
- Leading human factors security research projects from study background and literature review, research goals and questions, study design, data collection, data analysis, to finding 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 IRB policies and procedures designed for human research studies
- Developing Code Systems for qualitative data analysis in Google Sheets and MAXQDA (Qualitative data analysis software)
- Synthesizing and translating research findings to design recommendations and ignite further research as well as discussions
- Authoring and publishing academic publications in the area of human factors and usable security

### **Applied ELSI Research Intern, Sage Bionetworks (Remote)**

**Jan '23–May '23**

#### ***Internship Advisor: Megan Doerr***

- Selected to evaluate the “health” of data collection process for the All of Us research program
- Leading interactive remote focus groups with program stakeholders to identify community sourced metrics and derive novel evaluation criteria for development and testing
- Coding qualitative data using qualitative coding platforms
- Analyzing qualitative data and sharing insights through reports and presentations

### **Research Intern, Max Planck Institute for Software Systems**

**Jan '22–Apr '22**

#### ***Internship Advisor: Dr. Elissa Redmiles***

- Selected to take over the qualitative data analysis process of the interview data of 22 OnlyFans (subscription based social media platform) creators
- Performed literature review to gain background knowledge and understand the research in gig economy and the key influencers or motivations of content creators
- Developed a Code System in MAXQDA through iterative open coding process to analyze the 22 interview transcripts
- Collaborated with fellow research associates to refine the Code System by forming clear definitions for top categories, removing redundancies, and calculating on-going 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
- Reported the qualitative findings about motivations of OnlyFans creators (new to sex work) in a research paper. The three key drivers for OnlyFans creators were: 1) visibility and mainstream acceptance of the platform, 2) platform affordances and design, and 3) lockdown caused by the COVID-19 pandemic.

### **Corporate Relations Intern, PlexusMD, India**

**Dec '16–Jun '17**

- Conducted efficient communications with doctors (across different specializations and education) across the country, matched the job requirements from hospitals, research institutes, or academic organizations with doctors' qualifications and experience, and connected medical organizations with the matched doctors

### **Research Intern, DA-IICT**

**May '15–Jul '15**

- Developed a tool called motion charts using D3 JS to analyze and infer patterns from scientific or otherwise data. Two case studies were selected for log analysis: one included the data which could be derived from the students' performance database whilst the other involved the environmental attributes of various countries around the world

## **Academic Appointments**

- Teaching Assistant, CSE 365: Introduction to Information Assurance, ASU Fall '21
- Teaching Assistant, CSE 110: Principle of Programming (Java), ASU Fall '17

## **Relevant Skills**

- **Languages:** Python, Java, R, C/C++
- **Web:** HTML, CSS, JavaScript, json, jQuery, d3.js, Bootstrap
- **Software Experience:** MAXQDA, MATLAB, NetBeans, Android Studio, R, Weka, Eclipse, Tableau, Gephi