

Summary

I work for freedom, democracy, and justice. I employ a wholistic and multi-disciplinary approach to problems. Previous experience with cybersecurity, full stack software development, and quantitative methods. For a more complete work history, please contact me.

EDUCATION

Harvard Law School, Cambridge, MA

Juris Doctor

~ June 2024

Washington University in St. Louis, St. Louis, MO

Master of Science in Computer Science (Cybersecurity Focus)

August 2021

Thesis: The Challenges of Applying Computational Legal Analysis
to mHealth Security and Privacy Regulations

GPA: 4.0/4.0

Bachelor of Arts in Computer Science + Economics; Sociology, magna cum laude

May 2020

Thesis: An Introduction to Security Research for Scholars
of the Humanities, Social Sciences, and Law

GPA: 3.91/4.0

TECHNICAL

- Cybersecurity (Ghidra, IDA Pro, Wireshark, Metasploit, Exploit Creation)
 - Data Analysis (AI/ML, R, Python, MATLAB, Stata, Econometrics, GIS)
 - Systems Programming (x86 Assembly, C, C++, Rust, Linux, Windows NT, gdb)
 - Cloud Engineering (AWS, IoT)
 - Full Stack Engineering (Python, Java, C#, JS, Node.js, Django, Apache, Nginx, SQL, HTML, CSS, SCSS/SASS, PHP, D3.js, Wagtail CMS, VR/XR, Unity Game Engine, Bash, Git, Subversion, LaTeX)
 - Industry certifications: Certified Ethical Hacker, Network+
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EXPERIENCE

Personal Projects

Summer 2019, 2020

Software Engineer

St. Louis, MO

- I wanted to pursue pure engineering projects, so I spent these summers creating web apps (e.g., calendar, cloud storage, chatroom, websites).

Washington University in St. Louis

Various Semesters

Teaching Assistant

St. Louis, MO

- Data Structures and Algorithms (supervised labs, graded assignments); Statistics for Sociology x2 (Head TA, explained course material in lecture and office hours, graded assignments and exams); Understanding Racial Inequality in the Contemporary US (Head TA, graded ~ 300 essays, held office hours)

Generation Teach

Summer 2018

Teaching Fellow

Providence, RI

- Sole instructor for 80+ hours of middle school social studies and art. Received daily, personalized feedback from veteran teacher. Oversaw field trips and other activities for ~ 250 students
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PUBLICATIONS

Brian Tung, Zhiyuan Yu, Ning Zhang. 2021. Towards Automated Computational Auditing of mHealth Security and Privacy Regulations. In Proceedings of the 2021 ACM SIGSAC Conference on Computer and Communications Security (CCS '21).

Breznau, Nate et al. (Working Paper). Observing Many Researchers Using the Same Data and Hypothesis Reveals a Hidden Universe of Uncertainty. [[preprint](#)]

Breznau, Nate et al. (Working Paper). How Many Replicators Does It Take to Achieve Reliability? Investigating Researcher Variability in a Crowdsourced Replication. [[preprint](#)]

Breznau, Nate et al. (Working Paper). The Crowdsourced Replication Initiative: Investigating Immigration and Social Policy Preferences. [[preprint](#)]

MISCELLANEA

- Native conversational fluency in Mandarin Chinese
- Once an aspiring teacher with a still-valid Missouri Substitute Teaching License [[here](#)]
- I love music! I play guitar, viola, piano, and sing. I performed at Carnegie Hall in 2015.