

EDUCATION

CARNEGIE MELLON UNIVERSITY (graduated December 2019) Pittsburgh, PA

- **M.S. in Electrical and Computer Engineering** with a concentration in Computer Security, GEM Fellow
- Relevant Coursework: Foundations of Computer Systems, Intro to Information Security, Data Structures & Algorithms, Usable Privacy & Security, Browser Security, Mobile & IoT Security, Foundation of Privacy

RICE UNIVERSITY (graduated May 2016) Houston, TX

- B.S. in Chemical & Biomolecular Engineering
- QuestBridge Scholar: Full scholarship awarded to high-achieving low income students (top 4% of 9585 applicants)

YUNNAN UNIVERSITY Kunming, China

- Participated in 8-week intensive Chinese language program in Summer 2013; top performer in class of 12

PUBLICATIONS/POSTERS

Kentrell Owens, Mengchen Yong, Neha Sridhar, Ziheng Ni, Joshua Tan, Lorrie Cranor. "Studying Passwords to Create Domain-Specific Blacklists." *In Proceedings of the Fifteenth Symposium on Usable Privacy and Security (SOUPS)*. August 2019. [[Extended abstract](#) & [poster](#)]

Kentrell Owens, Alexander Fulton, Luke Jones, Martin Carlisle. "pico-Boo: How to avoid scaring students away in a CTF competition." *In Journal of The Colloquium for Information System Security Education (CISSE)*. June 2019. [[Best Student Paper](#)]

RELEVANT EXPERIENCES

DUO SECURITY (CISCO) Ann Arbor, MI
Data Science Graduate Intern Feb 2020 – May 2020

- Researching the usability of WebAuthn (<https://webauthn.guide/>)

CYLAB SECURITY AND PRIVACY INSTITUTE Pittsburgh, PA
Graduate Researcher Jan 2019 – Dec 2019

- Studying the intersection of prisons, privacy, and technology
- Researching web advertising and fingerprinting techniques
- Supporting studies of usable and secure passwords by combining survey materials, researching related work, and writing scripts to analyze data collected in studies

RAND CORPORATION Pittsburgh, PA
Summer Associate (Engineering and Applied Sciences) Summer 2019

- Developed Python programs and documentation for automation of time-intensive online project tasks, resulting in 100x speedup; shared scripts with project team members and received positive feedback
- Confidential work for government agency (obtained Secret security clearance)

CMU INFORMATION NETWORKING INSTITUTE Pittsburgh, PA
Research Assistant Sept 2018 – Jun 2019

- Developing educational materials (e.g. writeups for previous problems, overviews of cyber security topics) and performing data analysis for online middle/high school cybersecurity competition (picoCTF, <https://github.com/picoCTF/picoCTF>)
- Writing a paper on the results of the 2018 competition and submitting it to CISSE conference (won best student paper)

SIMULA RESEARCH LABORATORY

Oslo, Norway

Summer Intern (Scientific Computing)

Summer 2018

- Worked with the Waterscape team to implement numerical code, using the FEniCS software, for testing robust numerical methods based on mixed finite elements for the generalized equations of poroelasticity
- Adapted an existing Python framework, tested different mixed finite element approaches, executed code on mouse brain mesh using method of manufactured solutions and presented results in team meetings

CHEVRON

Pascagoula, Mississippi

Process Engineer

May 2016 - May 2018

- Wrote a VBA program to analyze 5 years of furnace temperature data & identify anomalies and presented the findings to a team investigating the root cause of furnace damage
- Developed emergency shutdown procedure for unreliable furnace by as part of investigation team involving 20+ persons across Technical, Operations, and Instrumentation departments
- Influenced upper management to improve safety and address routinely dismissed employee concerns

OTHER

- Proficient in: Python – Comfortable with: Java/C/R – Familiar with: JavaScript/HTML/CSS
- Extracurriculars: National Society of Black Engineers, Tutoring, Basketball, Chess