

EDUCATION**Emory University** | Atlanta GA**Summer 2018***Bachelor of Science in Mathematics and Computer Science***RELEVANT COURSEWORK**

Calculus (I & II)	Foundations of Logic	Foundations of Mathematics
Linear Algebra	Numerical Analysis	Physics for Science & Engineering
Discrete Structures	Digital Electronics	Algorithms and Data Structures
Computer Architecture	Theory of Computation	Computer Science Practicum
Artificial Intelligence	Systems Programming	Operating Systems
Computer Organization & Assembly Programming	Computer Networking	Computer Security

COMPUTING SKILLS**Languages:** C, x86 Assembly (32-bit), Java, Python, SQL**Technologies/Environment:** GNU Debugger, Metasploit, AWS, UNIX/Linux CLI, Bitcoin/Lightning Network Protocols**Other:** Git, Atlassian Software Tools, Agile & Waterfall SDLC Methodologies, PC building & maintenance**RELEVANT EXPERIENCE****Education Volunteer** | *United States Peace Corps* | **Tanzania***40 hours* | **07/19 – 03/20**

- Taught Mathematics and Physics in classes of size 35 to 50 with 15% increase in subject competency and 20% increase in subject-specific English vocabulary
- Organized stakeholder meetings with 17 community leaders and raised over 8500 USD to provide ICT resources to over 500 students
- Organized lodging on school campus for over 100 at-risk, female students leading up to the national examination period
- Distributed over 100 HURU kits for female students and co-lead sexual health education clinics for over 300 students
- Provided teaching resources and clinics to 12 teachers to improve teaching strategies and discipline practices at the school, leading to a 33% decrease in corporal punishment among teachers and 10% increase in student attendance
- Developed and maintained fluency in Swahili to aid in education and strengthen relations with the community

Release Engineer Intern | *NCR Corporation* | **Duluth, GA***40 hours* | **06/16 – 08/16**

- Developed an online platform using SharePoint, HTML, and CSS for over 10 product teams to publish thousands of test artifacts
- Coordinated with dozens of product owners, scrum masters, and software developers to aid in standardizing documentation and organization of test artifacts for over 100 employees in the IT department

Technical consultant and co-author: "Relationship of prolonged acoustic startle latency to diagnosis and biotype in the Bipolar-Schizophrenia Network on Intermediate Phenotypes (B-SNIP) cohort." *Neuropsychopharmacology* 42: S609 (2017)

- Developed Visual Basic script to parse, analyze, and digest HIPAA-compliant patient data files

Network architecture consultant – Blockchain Solutions Hawaii LLC, 2018 – 2019

- Developed novel graph organization architecture for use with Bitcoin and Lightning Network Protocols
- Configured server hardware, remotely, for company use, including Bitcoin and Lightning nodes

LegUp – Awarded 2nd place in CS370 Computer Science Practicum, Spring 2017

- Developed a mobile app with AWS No-SQL back-end and custom API for identifying and contacting elected officials of the United States government and state governments, leading a team of five students as the Product Owner

IZE – HackATL 2018 Participant

- Developed a React Native app prototype, implementing Bitcoin Lightning Network and custom API for monetizing social media

ADDITIONAL EXPERIENCE**Ambassador/Canvasser** | *Georgia Public Broadcasting* | **Atlanta, GA***40 hours* | **01/19 – 06/19**

- Coordinated informational sessions with over 50 communities to provide free educational resources, and access to historical and entertainment outlets for children and adults across metropolitan Atlanta
- Garnered over 20,000 USD in yearly support for GPB through personal grassroots campaigning

Instructor & Assistant Instructor | *Engineering for Kids of Atlanta* | **Cobb, GA***40 hours* | **07/17 – 08/17**

- Taught over 100 students, ages 8-13, video game development and mechanical engineering concepts using LEGO Mindstorms and Clickteam Fusion at five locations across metropolitan Atlanta
- Liaised with parents and supervisors to address dietary restrictions, behavioral problems, and academic needs of students, contributing to an 8% increase in student performance in exit testing for Summer 2017