Samuel Roth

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Technical Skills

- *Programming languages.* JavaScript, TypeScript, Python, C, C++, Rust, Java, Swift, SQL, SASS
- *Libraries and tooling.* Vue, React, React Native, Firebase, Google Cloud Platform, AWS, Flask, GraphQL, Git, PostgreSQL, Babel, Xcode, Android Studio, Anaconda, Jupyter Notebook
- *Other.* Sketch, Adobe Photoshop, Logic Pro

Experience

Jackson Tube Service, Inc...**Piqua, Ohio**
Software Engineer...May 2017 to Present
- Leading the development and deployment of kiosk software (NodeJS, Electron, Raspberry Pi) to help employees in our manufacturing plant quickly visualize and track customer orders.
- Built a RESTful API (Python, Flask) to interact with legacy systems and serve as a foundation for a new generation of software to be deployed across the company.

The Ohio State University...**Columbus, Ohio**
Graduate Teaching Associate...August 2016 to May 2018
- Delivered lectures, graded student assignments, led hands-on programming labs, held office hours, and proctored exams in the Computer Science and Engineering department.
- Helped coordinate course delivery across other Teaching Associates to approximately 500 undergraduate students. Personally managed sections of approx. 40 students each semester.

Ohio Northern University..**Ada, Ohio**
Teaching Assistant...January 2014 to May 2016
- Graded homework assignments and helped students in weekly lab sessions. Courses included C++ Programming, Computer Architecture, Digital Logic, and Data Structures & Algorithms.

CMU Institute for Software Research..**Pittsburgh, Pennsylvania**
Research Assistant..May 2015 to September 2015
- Worked on the Usable Privacy Project, an interdisciplinary initiative aimed at helping people better understand how their personal information is collected and shared online.
- Led the implementation of Chrome browser extensions that presented information relating to privacy policies. Organized and led focus groups to gather feedback.

SAY Security Group USA..**Ada, Ohio**
Software Engineering Intern...January 2015 to May 2015
- Used the Qt C++ cross-platform application framework to develop an API for managing dynamic user interfaces on surveillance software used by law enforcement and private companies.

Education

The Ohio State University..**Columbus, Ohio**
Master of Science, Computer Science and Engineering......................................*August 2016 to May 2018*

Ohio Northern University..**Ada, Ohio**
Bachelor of Science, Computer Science and Engineering..................................*August 2012 to May 2016*

Many projects are available on my GitHub profile. References are available upon request.