

Kyle Smith

Available: May - December 2021

Boston, MA • (862) 926-8622 • me@kyl3smith.com • kyl3smith.com (LinkedIn, GitHub, Resume)

Education

Northeastern University, Boston, MA

2018 - Present

Khoury College of Computer Sciences

3.44/4.00 GPA

- Candidate for Bachelor of Science in Computer Science, Spring 2022
- *Relevant Courses:* Object Oriented Design | Algorithms & Data | Networks & Distributed Systems | Programming Languages | Database Design | Web Development | Computer Systems | Embedded Design: Enabling Robotics | Logic & Computation | Energy Systems: Science, Technology, and Sustainability

Technical Knowledge

Languages: Java, Python, Shell/Bash, C, C++, Verilog, ACL2s, Racket, learning ReactJS, Elixir, and SQL

Tools: Ansible, Jenkins, GitLab, GitHub Actions, IntelliJ, Eclipse, BndTools/OSGi, S3, Vi, Jira, FogBugz

Skills: Object Oriented Software Development, Scripting, CI/CD, Linux Command Line, Git Version Control, general familiarity with GCP and AWS Infrastructure, learning Web Development and Database Design

Projects (*Visit kyl3smith.com for more projects and link to GitHub.*)

Spreadsheet Software (Academic)

- Built in Model-View-Controller architecture, replicates basic functionality of Sheets/Excel, allowing for arithmetic operations, recursive cell references, and infinite scrolling/generation of cells (Java)

Work Experience

Heila Technologies, Somerville, MA

June - December 2020

Software Engineering Co-op

- Initiated product planning of an IoT cloud data pipeline, gathering requirements from stakeholders and presenting ideas and documentation. Researched and demoed industry tools (Kafka, Zookeeper)
- Designed a backend REST API for a customer facing web portal (Java OSGi)
- Automated inter-device configuration operations, converting hours of manual work to minutes of passive runtime (Python, Ansible, Bash)
- Initiated research into GitHub Actions for CI/CD pipeline, implemented it into tech stack

True Fit Corporation, Boston, MA

January - April 2020

DevOps Engineering Co-op

- Built an internal tool running on Jenkins to send reminder notifications and run reporting on frequency of updates to cases in a FogBugz ticketing system, utilizing a REST API (Python, Bash)
- Wrote scripts to update databases on deploys based on data pulled from a REST API (Bash, PostgreSQL)
- Built a tool to pull Stackdriver data and provide more extensive analytics on GCP Dataprocs (Python)
- Debugging Jenkins jobs and Bash scripts within an extensive codebase, converting legacy AWS tools to function with GCP

Anchor Point Collective LLC, Savannah, GA

May - August 2018

Web Development Intern

- Developed a cohesive email list system, misc. site upgrades for clients and company (HTML/CSS/JS)

Interests

Music (trumpet playing), fashion/shoes, sustainable energy, electric vehicles, e-commerce, politics