**Software Engineer** <https://github.com/ALee888> | <https://www.linkedin.com/in/adam-f-lee/>

**KEY SKILLS**

* Languages: *Python (advanced), C++ (proficient), Java (proficient), JavaScript (prior experience), Shell scripting (prior experience), Go (prior experience), Swift (prior experience)*
* Technologies: *Docker, SQL, MongoDB, CouchDB, Linux, Git, RESTful API, JSON, HTML, CSS, Spring, Hyperledger Fabric, Flask, Django, Visual Studio Code, Testing, Azure DevOps, CI/CD*
* Adept and comfortable communicating and working in a team environment
* Experience with agile development working in a fast-paced environment with a deadline
* Motivated, persistent, and results-oriented problem solver
* Experience with various forms of testing

**WORK EXPERIENCE**

**Alphaledger**

Software Engineer (*Layoffs)*  May 2022–October 2022

*Startup working to bring blockchain technology to the municipal bond market*

* Developed, configured, and tested multiple containerized Hyperledger Fabric topologies to fit different account architectures that better suited the client’s needs.
* Built confidence in the project by creating a Python application to monitor data transfers between PostgreSQL and the Hyperledger fabric CouchDB that led to multiple bug fixes.
* Increased data reliability and speed by developing Java Spring Batch jobs to handle transferring of large amounts of data utilizing API calls to populate CouchDB environments.
* Adapted to constantly changing business requirements of a startup company by utilizing agile development and scrum methodology while staying organized with Azure DevOps.

**EDUCATION**

**Gonzaga University**

Bachelor of Science, Computer Science May 2022

**PAST PROJECTS**

***Kaiser Aluminum* (Capstone Project): Roll Management System**

* Created software that automated aluminum grinding data and workflow to modernize and futureproof an aluminum roll factory.
* Flask web app that ran on their local machines to manage data, predict aluminum roll degradation, and alert maintenance when needed.

**TuneShuffle (Personal project)**

* Co-created Flask based web application that utilized Spotify API and machine learning to randomize song discovery and recommend similar songs to listeners.

**Alc Calc (Personal Project)**

* Swift based iOS app to track alcohol consumption using Apple Health App.