

Erick Dolores

LinkedIn: [linkedin.com/in/erick-dolores/](https://www.linkedin.com/in/erick-dolores/)

Website: erickdolores.com

Email: edolore1@swarthmore.edu

Mobile: 661-210-6739

Github: github.com/edolores

EDUCATION

Swarthmore College

B.S. in Computer Science & B.A. in Educational Studies

Swarthmore, PA

Aug 2018 – May 2022(Expected)

EXPERIENCE

Autodesk

Software Engineer Intern

San Francisco, CA

May 2020 - Present

- Implemented a Slack bot that will solve 90% of customer support issues for the Forge Data team by automating how applications are onboarded into an internal eventing service.
- Utilized Python, AWS API Gateway, and AWS Lambda for hosting in order to provide high volume scalability while keeping usage inexpensive.
- Currently adding functionality to write user data into AWS Dynamo DB and AWS Kinesis and read application metrics from AWS CloudWatch.

Google

SPS Participant

Remote

Feb 2020 - May 2020

- Developed an app that creates friend groups through a Tinder-like matching system in collaboration with a team of peers and a Google engineer by using Java, JavaScript, HTML, CSS, and Google services such as App Engine and Cloud Datastore.
- Contributed 1000+ lines of code to open source software using Git and GitHub, conducted code reviews with/for teammates, and extended new chat functionality to an existing codebase.

Amtrak

Software Engineer Intern

Philadelphia, PA

Jan 2020 - Apr 2020

- Designed and documented the architecture for a Java-based web client that will use the SOAP protocol to accelerate the retrieval of SQL transaction logs from HP NonStop servers by 98%.
- Reduced technical debt for a train scheduling app by writing Java code to introduce compatibility with new routes and using MySQL Workbench to create over a dozen SQL schemas.

Electronic Arts

Software Engineer Intern

Redwood City, CA

May 2019 - Aug 2019

- Practiced the Agile/Scrum development methodology to develop, stage, and produce a Grafana dashboard that extracts health data from Maxis Studio's live service infrastructure through API, JSON, and .INI file configurations.
- Imported metrics from services like Apache Cassandra, Redis, Jenkins, etc. using Graphite in order to monitor 20+ operations that helped with tasks like server migration to AWS cloud.
- Spun up AWS S3 instances, SQS messages, RDS connections, etc. in 4 different distributed system architectures to assure the functionality of a local test dashboard running off of a Docker container.

PROJECTS

- **Concurrent Web Server:** A multithreaded HTTP server that can process multiple browser connections by using TCP sockets to transfer data, pthreads to parallelize functions, and Telnet/Wget to test the program.
- **CLI File Downloader:** This Java tool downloads files by using HTTP ranged requests to improve I/O performance, download speed, system resource usage, and scalability.
- **DNS Client:** An iterative DNS client written in Python that can pack, unpack, and parse binary data to resolve domain host names (like google.com) to IP addresses.

SKILLS

- **Languages:** Java, C, C++, HTML, CSS, Javascript, Python, Spanish
- **Technologies:** Linux, Git/Github, Bitbucket, Maven, Valgrind, GDB, LaTeX
- **Coursework:** Algorithms, Computer Networks, Operating Systems, Data Structures and Algorithms, Intro to Computer Systems