

Aalok Borkar

GitHub: [AalokBorkar](#) ❖ aaa.borkar@gmail.com ❖ (503) 467-8015 ❖ Portland, Oregon (U.S. Citizen)

EDUCATION

Oregon State University

Expected June, 2020

Bachelor of Science, Computer Science

Corvallis, OR

- GPA 4.00
- Recipient of the Drucilla Shepard Smith Award in recognition of academic excellence.
- Awarded the Curtis Cooke Private Academic Scholarship.

WORK EXPERIENCE

Qualcomm

June 2019 – September 2019

Software Engineering Intern (Full Stack)

San Diego, CA

- Architected and built an internal hardware test automation application resulting in a 67% increase in testing efficiency.
- Designed and constructed a collaborative web portal in React for creating dynamic hardware test configurations.
- Designed and developed a web-based tool in React for creating and managing hardware test schedules live as they run.
- Built a Windows desktop application in Rust to autonomously execute and update live hardware test schedules through an accompanying cloud-based datastore, improving testing efficacy.
- Worked closely with internal customers to engineer application requirements throughout the development process.

Intel

June 2018 – September 2018

Data Analytics/ Software Engineering Intern

Portland, OR

- Built a linked server between internal SQL databases to support simultaneous querying.
- Wrote dynamic SQL queries to extract critical metadata about ISV requests and product shipments.
- Constructed a web facing GUI to enhance the product ordering process for both internal and external customers.
- Conducted ROI analysis for the implementation of a more efficient order fulfillment process and supporting data infrastructure.
- Optimized the data architecture behind the internal product ordering process using RESTful API interactions.

Intel

June 2017 – December 2017

Software Development Intern

Portland, OR

- Worked alongside internal Intel customers to ratify user requirements and create statement of work documents.
- Designed and developed back-end relational database in PostgreSQL for Intel's production website.
- Constructed the GUI for Intel's internal hardware inventory management website using React.
- Developed and executed both tests and test cases to ensure total customer quality assurance.
- Worked with a software oriented team to utilize the Agile framework and Scrum process to consistently meet deadlines.

PROJECTS

Purple News: A web tool for scraping and clustering politically polarized news stories to mitigate media echo-chambers.

Experience: Implemented a natural language processing algorithm using Gensim topic modeling to cluster web-scraped news articles, and constructed a React web application allowing users to view, comment, and share posts on popular social media.

BlockTrack: A decentralized logistics smart contract running on the Ethereum blockchain with a web-based interface.

Experience: Implemented multitier architecture for the decentralized application by constructing a smart contract powered by efficient and cost-effective Solidity code, and creating a Web3 injected (Metamask) web page for user interaction.

SKILLS

Proficient: C++, C, Python, Rust, SQL (Postgres & MSSQL), Solidity, NoSQL (CouchDB), JavaScript (jQuery, Node, React), HTML5, CSS3, RESTful APIs, Multitier Application Architecture, Server Architecture, Linux, Agile – Scrum, JIRA, Git.

Intermediate: Java, Docker, TensorFlow (Keras), Natural Language Processing (Gensim, Word2Vec, Doc2Vec), AWS.