

Aalok Borkar

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EDUCATION

Oregon State University

Bachelor of Science, Computer Science

Expected June, 2020

Corvallis, OR

- GPA 4.00
- Recipient of Drucilla Shepard Smith Award in recognition of academic excellence.
- Awarded 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 for creating dynamic hardware test configurations.
- Designed and developed a web-based tool for creating and managing live hardware test schedules as they run.
- Built a windows desktop application in Rust to autonomously execute and live update hardware test schedules through an accompanying NoSQL datastore, improving testing practicality.
- Worked directly with internal customers to establish 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 production website utilizing ReactJS framework.
- 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.

RECENT PROJECTS

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) webpage for user interaction.

Expression Excavator: A keyword/keyphrase parsing Google Chrome extension for documents, articles, and webpages.

Experience: Implemented asynchronous web application architecture, integrated Google Chrome API's for internal data communication, and developed an engaging and modern GUI for user experience.

SKILLS

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

Intermediate: Java, Solidity, ReactJS, Python – TensorFlow & Keras, Server Architecture, AWS.