Abdul F Karim

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Education

University of California, Berkeley — *B.A Computer Science*
GPA 3.6/4.0   Expected Graduation: December 2022
Diablo Valley and Las Positas College
GPA: 3.8/4.0   August 2018 - May 2020
Related Coursework: Database Systems, Techniques in Data Science, Data Structures and Algorithms, Tech Ethics, Computer Organization, Computer Security.

Skills

Code: Python, Java, C++, SQL, HTML, CSS, Javascript
Frameworks/Tools: Express.js, Node.js, Flask, Microsoft SQL Studio, Git, ASP.NET, jQuery, IIS, Pandas

Experience

Splunk, San Francisco — *Software Engineering Intern*   May 2021 - August 2021
- Created automated workflows using Kubernetes Native platform, **Argo**, allowing deployment to run ~15% faster than current in-house workflow orchestration tool
- Architected and implemented **Gitlab** Pipelines to test and deploy **Jenkins** instances
- Built a Slack-bot app that notifies users when Artifact links are moved allowing for more pre-emptive action to be taken before pipeline failures

Topcon, Livermore — *Software Engineering Intern*   August 2018 - Present
- Optimized **SQL** Stored Procedures to produce Product Issue reports 400% faster (~45 sec to ~11 secs)
- Created **multithreaded data processing engine** for frontend analytics using Javascript Web Workers
- Developed CPK Statistics Report Site for test data, Test Utilization reporting and Test Debug dashboard using **ASP.NET** and **Jquery**
- Led upgrade of New Production Database, IIS 10 Web Server and the creation of a Development Environment

Projects

Data Structures Group Project   June 2020
Worked in a team of 3 to design and build lite-version of git version control software in **Java**
Bitcoin Trading Bot   July 2020
Created automated trading system in **Python** using **Websockets** data streaming and Alpaca Brokerage API to trade bitcoin based on an exponential moving average trading strategy
Berkeley Reddit Sentiment Analysis   January 2021
Web Scrapped Berkeley Subreddit Post Titles and assigned sentiment using Vader Sentiment Library to create Visualization of Post Sentiment over time in a **Python** Jupyter Notebook
Undergraduate Research Apprentice   February 2021
Developed Web-Based Economic Stability tool using **Express.js** to calculate impact of Universal Basic Income

Volunteering

Cal Mentors : AP Computer Science Tutor   August 2020 - Current
Leading weekly tutoring session for students studying AP computer science in the San Leandro Unified School district

Awards

- UC Berkeley Data Scholar   2021
- Latinos In Technology Scholar   2020
- Diablo Valley College Honors List   2020
- Pedrozzi Continuous Achievement Scholarship recipient   2019
- American Council of Engineering Companies-East Bay Scholar   2019