Abdul F. Karim

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EDUCATION

University of California, Berkeley — *B.A Computer Science, Minor Data Science*

Expected Graduation: May 2022   Units: 20   GPA 3.7/4.0

Diablo Valley and Las Positas College

August 2018 - May 2020   Units: 92   GPA: 3.8/4.0

Related Coursework: Database Systems, Techniques in Data Science, Data Structures and Algorithms, Tech Ethics

SKILLS

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

EXPERIENCE

University Of California, Berkeley —*Undergraduate Research Apprentice*   December 2020 - Present
- Developing Web Based Economic Stability tool using Express.js to calculate impact of Universal Basic Income programs on existing welfare benefits for Californians

Topcon, Livermore — *Software Engineering Intern*   August 2019 - Present
- Optimized SQL Stored Procedures to produce Product Issue reports 400% faster (~45 sec to ~11 secs)
- 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

Topcon, Livermore — *Production Support Intern*   June 2018 - August 2019
- Configured open source software to enable WOL protocol on production PCs and create PC reports
- Automated Test PC Software Deployment using VB scripting
- Upgraded RAM and Hard drives of 120+ production floor computers

PROJECTS

Berkeley Reddit Sentiment Analysis   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

Bitcoin Trading Bot   2020
Created automated trading system in Python using Websockets data streaming and Alpaca Brokerage API to trade bitcoin based an exponential moving average trading strategy

Data Structures Group Project   2020
Worked in a team of 3 to design and build lite-version of git version control software in Java

VOLUNTEERING

Cal Mentors : AP Computer Science Tutor   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
- Lations In Technology Scholar   2020
- Diablo Valley College Honors List   2020
- Las Positas Academic Honors List   2018-2020
- Pedrozzi Continuous Achievement Scholarship recipient   2019
- American Council of Engineering Companies-East Bay Scholar   2019