Adithya **Jayachandran**

Blockchain Enthusiast, Data Analyst, Software Engineer

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Education

University of California, Berkeley: B.S. - Electrical Engineering & Computer Science — Berkeley, CA
Grad: Dec 2019 — GPA: 3.5

Relevant Coursework:
Efficient Algorithms (CS 170), Blockchain Development (CS 198-77), Computer Programs (CS 61A), Computer Architecture (CS 61C), Advanced UNIX System Administration (CS 198-8), Systems Design (EE 16A), Discrete Math & Probability Theory (CS 70)

Graduate Courses:
Blockchain & Cryptoeconomics (CS 294-144)

Honor Societies:
IEEE Eta Kappa Nu (HKN - EECS), Tau Beta Pi (TBP - Engineering)

On-Campus Activities:
Developer - Blockchain at Berkeley, Industrial Relations Officer - HKN, Lab Assistant - Computer Programs (CS61A)

Ohlone College: Computer Science & Engineering (Transfer) — Fremont, CA
GPA: 3.8

Relevant Coursework:
Data Structures, Differential Equations, Circuits, Linear Algebra

On-Campus Activities:
President of Dot-Slash Computer Science, President of Ohlone Math Club

Skills & Awards

Programming Languages:
Python, C++, Java, MySQL, Git, C, Java, Matlab, MongoDB, Solidity

NASA Community College Aerospace Scholars - MVP 2017
Awarded an official NASA medallion (*minted from Curiosity's metal*) in honor of my distinguished efforts in programming, rapid prototyping, & effective leadership.

American Math Association for Two Year Colleges: Student Math League
Placed 3rd at Ohlone College and 8th College Nationwide for solving analytical Mathematics and algorithms based questions.

Experience

NASA Ames Research Center - *NCAS Systems Engineer* — ***Dec 2016 - June 2017***
- Prototyped a Mars Rover for autonomous navigation, sample collection, and mineral detection.
- Researched a modularized rover system with OTG hot-swappable sensors (Solidworks).

Abaxis Inc. - *Engineering Intern* — ***May 2016 - Feb 2017***
- Created a trend detecting manufacturing dashboard in Python **saving the company $20,000+/yr** (Fullstack development: Qt, Python, Plot.ly, Matlab).
- Lead a team for an IoT data analysis project to harvest and model data from older manufacturing hardware over the network (*Frontend:* Qt GUI, Plot.ly, *Backend Systems:* Python, MS SQL Server with proprietary enterprise IoT hardware).
- Designed & validated over 100 front-end GUIs for compliance with Federal regulations.

Notable Projects

PlaNET - CalHacks 4.0
- Created a service using Azure's Cognitive Science API & Google's Cloud Machine Learning Platform to make personalized vacation destinations per user. [Python, SQL, GCP, Azure, Flask]

Android Auto & Carplay Everywhere [WIP]
- Seemlessly integrated Android Auto/CarPlay on legacy cars (no prior smart capabilities) using custom touch hardware and microcontrollers. [Python, ADB tools, I2C Communication]

Raspberry Pi Webserver
- Utilized node.js, Ghost, & an overclocked Raspberry Pi 2 to host a webserver.