ADITHYA J. (AJ)

IoT Enthusiast, Data Engineer, Software Developer

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📍 Berkeley, CA

EDUCATION

Electrical Engineering & Computer Sciences (EECS)

UC Berkeley

📅 06/2016 - ongoing   📍 Berkeley, CA

- Class of 2019: Bachelor's of Science from the College of Engineering
- Enrolled in CS61A (Python, Lisp, & Logic) at UC Berkeley over the Summer
- Currently lab assisting for CS61A at UC Berkeley

Electrical Engineering & Computer Sciences (Transfer)

Ohlone College

📅 08/2015 - 05/2017   📍 Fremont, CA

- Math: Calculus (1-3), Discrete, Linear Algebra, Differential Equations, Matlab
- Physics: Mechanics, Electricity & Magnetism, Waves
- Computer Science: C++, Data Structures & Algorithms, Java, Assembly (x86)
- Engineering: Circuit Analysis

GPA
3.8 / 4.0

EXPERIENCE

Chief/Systems Engineer

NASA AMES Research Center Aerospace Scholar

📅 12/2016 - 06/2017   📍 Moffit Field, CA

National Community College Aerospace Scholars (NCAS) is a rigorous semester long NASA program for students across the nation.

- Successfully prototyped a Mars Rover on simulated martian terrain to endure obstacles and obtain mineral samples.
- Designed and researched a rover system using modular connections enabling hot-swappable sensors.

AWARDS

NASA Aerospace Scholars - MVP 2017

Given an official NASA medallion in honor of my distinguished efforts in programming, rapid prototyping, and effective leading.

American Math Association for Two Year Colleges: Student Math League - 8th College Nationwide; 3rd Place at Ohlone

Recognized Achievement for the Nationwide AMATYC Test at Ohlone College.

Silicon Valley Distributive Education Clubs of America IBP - 3rd Place IBP

International Business Plan - Awarded for creating a mobile payment system and a potential roll-out plan

XDA-Developers Senior Member

Officially awarded on the XDA-Developer Google Forums after deploying fixes and mods to Android Devices.

ORGANIZATIONS

President - DotSlash CS [./CS]

📅 01/2016 - 05/2017   📍 Fremont, CA

Dot Slash CS is Ohlone College's official Computer Science and Engineering club

- Lead a group of 40 members to build a schedule predictor project.
- Arranged corporate tours to companies in the Bay Area (Netflix, Hurricane Electric).
- Doubled membership in the past year.
- Hosted a "Hidden Figures" STEM outreach event with 1000+ participants county wide.

EXPERIENCE

Engineering Intern

Abaxis Inc.

📅 06/2016 - 02/2017 📍 Union City, CA
🔗 abaxis.com

Abaxis is a global industry leader in medical and veterinary diagnostics.

- Created a trend detecting manufacturing dashboard saving the company over $20,000 annually.
- Lead an IoT data analysis project to interface and harvest data from older manufacturing hardware over the network.
- Designed and validated over 100 front-end GUIs to ensure compliance with Federal regulations and standards for process engineers and IT.

Management Technology & Operations Intern

Verisure Technologies (Sibridge Technologies)

📅 08/2015 - 03/2016 📍 Santa Clara, CA
🔗 sibridgetech.com

Verisure is a key innovator in the semiconductor industry with their embedded system design solutions.

- Single-handedly created cloud databases to manage millions of files with rapid retrieval and categorization based on user query.
- Facilitated knowledge transfer between companies during a Merger & Acquisition.
- Provided engineering expertise to legal counsel.

PROJECTS

Raspberry Pi Webserver

Used node.js and a Raspberry Pi 2 to host my current Ghost Blog. (www.adij.me).

Schedule Builder

Using Python, node.js and CSS, I created a web app that takes in the classes you need to take, and outputs generated schedules.

Votified

A CalHacks 3.0 Project designed to inform citizens about what/how their congress representatives are voting and how to contact them. Made with Python, HTML, CSS, & JS.

TECHNOLOGIES

Expertise

| Python | Java | C++ | Matlab | SQL | GitHub |

| Mathematica |

ORGANIZATIONS

President - Ohlone Math Club

📅 12/2015 - 05/2017

Ohlone Math Club serves as a key resource for students who have a deep passion for mathematics.

- Created a club team (ranked 8th Nationwide) to compete in the AMATYC competition.
- Created group events such as Math Puzzle Solving, Rubik's Runs, and tutoring.
- Tripled membership in six months.

Technology Senator - Associated Students of Ohlone College (ASOC)

📅 08/2016 - 05/2017

ASOC strives to amplify the student's voices and provides resources for Ohlone College. I was appointed as the Technology Committee Senator.

- Worked on Ohlone's Technology Board to implement new technology for student and faculty.
- Created development rollout master plans for the upcoming years.
- Worked on a new web infrastructure redesign.

REFERENCES

Philip Powell

Physics Professor - Researcher at Lawrence Lab
powell47@llnl.gov

Rajesh Shah

Prior Boss - CEO of Verisure Technologies
rajesh.shah@sibridgetech.com