

Adithya Jayachandran (AJ)

IoT Enthusiast, Data Scientist, Software Engineer

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Education

UC Berkeley:	Electrical Engineering & Computer Science (B.S.)	Berkeley, CA
Relevant Coursework:	Structure & Interpretation of Computer Programs, Microelectronic Circuits, Discrete Math and Probability Theory, Device Design and Systems	GPA: 4.0 (2017-2019)
Ohlone College:	Computer Science & Engineering (Transfer)	Fremont, CA
Relevant Coursework:	Data Structures & Algorithms, Circuit Analysis, Matlab, Linear Algebra, Differential Equations, Quantum Physics, Electricity	GPA: 3.83 (2015-2017)
On-Campus Leadership:	President of Dot-Slash Computer Science, President of Ohlone Math Club, Senator at Associated Students of Ohlone College, Treasurer at A ² π Outreach	

Skills

Proficient: Python, C++, MySQL, Git

Advanced: Java, Matlab, HTML/CSS, JSON

Experience

NASA Ames Research Center - NCAS Systems Engineer	Dec 2016 - June 2017
<ul style="list-style-type: none">• Prototyped a Mars Rover for navigation, sample collection, and mineral detection.• Researched a rover system using modular components & OTG hot-swappable sensors.	
Abaxis Inc. - Engineering Intern	May 2016 - Feb 2017
<ul style="list-style-type: none">• Created a trend detecting manufacturing dashboard saving the company over \$20,000 annually.• Lead an IoT data analysis project to harvest data from older manufacturing hardware over the network.• Designed and validated over 100 front-end GUIs to ensure compliance with Federal regulations.	

Notable Projects

Raspberry Pi Webserver:

- Utilized node.js, Ghost, & an overclocked Raspberry Pi 2 to host my blog (www.adij.me)

Votified

- A CalHacks 3.0 Project to help citizens learn how local representatives vote. [Python, CSS, JSON]

Android Auto Everywhere [WIP]

- Seamlessly integrated Android Auto/CarPlay on legacy cars (without any smart capabilities)

[Python, ADB tools, I2C Communication]

Awards

NASA Aerospace Scholars - MVP 2017

- Given an official NASA medallion (*minted from Curiosity's metal*) 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 for Achievement for the Nationwide AMATYC Test.