Apollo Jain

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EDUCATION

University of California, Berkeley | May 2017 **GPA: 3.51**

Bachelor of Science in Electrical Engineering and Computer Science

Coursework: Structure and Implementation of Computer Programs, Data Structures, Signals and Systems, Discrete Math and Probability, Optimization Models, Algorithms, User Interfaces, Power Systems, Artificial Intelligence, Concepts of Probability, Engineering Statistics (in progress), Machine Learning (in progress)

SKILLS

Programming: Java, Python, Javascript, Ruby, jQuery, HTML, CSS, MIPS, SQL

Software: IntelliJ, Eclipse, Android Studio, Vim, Git

Frameworks: Django, Ruby on Rails, Flask

EXPERIENCE

Palantir Technologies | *Incoming Forward Deployed Engineering Intern* May 2017 – August 2017

My job will be to write custom software solutions using the Palantir product in order to reach the goals of the client in question. I will be focused on an organization in New Zealand that deals with managing wind farms during my time as an intern.

Berkeley Energy & Climate Institute | *Undergraduate Researcher* August 2016 –

Work as a researcher on the SWITCH Latin America project under Nobel Laureate Dan Kammen. Use Python and AMPL to build models to show the effect of different policy decisions on the power grids of many major countries, specifically Costa Rica, Chile, and Mexico.

ASUC | *Chief Technology Officer* May 2016 – Present

Handle a number of technology resources for over 25,000 Berkeley undergraduates, including the school's flagship mobile and web applications. Manage our experimental projects, which includes Project Hermione, an OpenCV video recording software. Helped to raise over $15,000 for our office through companies like Lyft and DoorDash.

Tesla Motors | *Engineering Intern* January 2016 – May 2016

Worked on the Demonstrated Reliability Team. Focused on testing and verifying different properties of various parts on the Model III Powerboard. Created a web application to keep track of and perform calculations on databases of parts used on our cars. Worked on a Geometric Optimization pet project that focused on maximizing reliability given budgetary constraints.

PROJECTS | GITHUB.COM/APOLLOJAIN

Gobee Group SMS System (2016): Created an SMS polling system using Nexmo, Flask, and PostgreSQL that allows for users to vote for various choices given a number of questions. The system was deployed in Izmir, Turkey in August and is being used by the Women and Health Alliance International in conjunction with Gobee Group.

OpenCV Sudoku (2016): Created a Python Application using OpenCV2 and PyTesseract that will solve a Sudoku Puzzle if it is given a relatively clear image of an unsolved Sudoku puzzle.

States' Rights (2016): One of the projects that I wanted to do was to see how certain states or collections of states would stack up against other countries around the globe if they became independent. I used Django, Pandas, Numpy, Beautiful Soup, and JQuery to scrape and display the data necessary for this application.

OTHER

Outside of work, I am Co-Founder and Vice President of Robotics at Berkeley, which puts on Hackathons and speaker panels and am a part of the Fung Fellows for Technology and Innovations, Kairos Fellows, and Engineering Scholars cohorts. I am involved with my school's student government, through which I am a Board Member of the school's Student Technology Committee and the co-founder of the school's Student Information System Committee, which advises the school's enrollment and course management software system. I have received awards such as the Cal Leadership Award and the Oski Student Leadership Award for my commitment to campus.