

# Pranay Rajpaul

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## EDUCATION

### University of California Berkeley

Aug 2019 – May 2023

*B.A. Computer Science, B.S. Business Administration*

- Honors: **2020 Cal Leadership Award Recipient**, SCET Entrepreneurship and Technology Certificate (GPA: 3.7)
- Courses: Data Structures, Algorithmic Thinking, Machine Structures, Comp Programs, Data Science & Decisions

## SKILLS

Python, Java, Object Oriented, SQL, Scripting, HTML, CSS, JavaScript, Git, Processing  
Learning: MongoDB, TensorFlow, C++ (Basic), Docker, Kubernetes

## EXPERIENCE

### Northrop Grumman

Sep 2021 – Dec 2021

*Incoming Software Development Intern, Defense Systems Group*

### SAP

Jun 2021 – Present

*Software Engineer Intern, Concur Intelligent Spend Management Team*

- Currently working to integrate features and test suites into the Spend platform using **Java**, **Python**, and **AWS**.

### Berkeley Haas School of Business (Research)

Feb 2020 – Present

*Software & Big Data Research Apprentice, Behavioral Finance and Data Analytics*

- Developing an entire web application that utilizes **MySQL**, **PHP**, **Express.js**, **React.js**, and **Node.js** in order to host all behavioral finance research surveys and conduct simple data analysis on each survey's results.
- Created a web scraper that integrated **Selenium**, **BS4**, and **ChromeWebDriver** to retrieve LinkedIn profile data from a username and sampled 100,000+ employment records to estimate the veracity of LinkedIn & Glassdoor.

### NASA (Jet Propulsion Laboratory)

May 2020 – Aug 2020

*Project Management & Controls Intern, Instrument System Concept & Implementation Group*

- Built a **Data Mining model** with **Power BI** that utilized mission timelines on **Microsoft Project** to organize current and predict future space missions' development durations.
- Prepared **Python Scripts** and **Power Pivot formulas** to ease financial data modeling/analysis in Microsoft Excel.
- Assisted PMs in technical reviews for robotic instruments on the Mars 2020 Rover and 4 future space missions.

### Developen

Sep 2019 – Aug 2020

*Co-Founder — Software Developer & Designer, www.developen-prototype.com*

- Incubated as 1 of 115 startups in Skydeck's startup accelerator, \$105,000 funding, by pitching to multiple VCs.
- Implemented responsive front-end components in **React.js** and web page layouts with **Figma** and **AdobeXD**.

## LEADERSHIP

### PlexTech, Club President

Feb 2020 – Present

- Managing the direct operations of 74 student project managers, software developers, and curriculum teachers as well as 200 computer science bootcamp and hackathon (Plexhacks) participants across America.
- Working with 7 high-growth companies to form agile software development projects for UC Berkeley students.

### UC Berkeley IEEE, Director of Industrial Relations

Feb 2020 – Present

- Serving as one of Berkeley's primary contacts for recruiters looking to host tech/networking events at Berkeley.

## PROJECTS

### Stock Market Day Trading Bot

- Currently creating a **Rest API** rooted Robinhood trader bot that scrapes live stock prices to make regression-backed predictive stock purchases and sales with **TensorFlow**.

### Floor.it!

- Implemented an **OpenCV** image **recognition algorithm** that detects shelving, walls, and pathways in any uploaded image of a floorplan and allows users to redesign their personal floorplan layout.

## AWARDS

- Eagle Scout and Silver Eagle Palm
- Finalist @ Berkeley Venture Capital Investment Competition
- HackDavis 2020 Domain Challenge Winner, CalHacks 2019 Walmart API Challenge Runner Up