Pranay Rajpaul

prajpaul@berkeley.edu // pranayrajpaul.com // linkedin.com/in/pranayrajpaul

EDUCATION

University of California Berkeley + Haas School of Business　　　　Aug 2019 – Dec 2023
B.A. **Computer Science**, B.S. **Business Administration**　　　　　　　　　**(GPA: 3.7)**
- o **Honors**: 2020 Cal Leadership Award Recipient, Certificate in Entrepreneurship and Technology
- o **Courses**: Data Structures, Algorithmic Thinking, Machine Structures, Comp Programs, Data Science & Decisions

WORK EXPERIENCE

Amazon　　　　　　　　　　　　　　　　　　　　　　　　　　　　May 2022 – Aug 2022
Software Development Engineer Intern (Summer 2022)

SAP　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Jun 2021 – Aug 2021
Software Engineering Intern (Concur Intelligent Spend Management Team)
- o **E2E System**: Developed a Backend Compliance Tool in Java that reports ADA/WCGA violations on the Concur Web App and suggests front-end development fixes to remain compliant with website accessibility standards.
- o **API Architecture:** Integrated RESTful endpoints into the Concur Spend platform using Python and Postman.

NASA - Jet Propulsion Laboratory　　　　　　　　　　　　　　　　May 2020 – Aug 2020
Product Management & Controls Intern (Instrument System Concept & Implementation Group)
- o **Data Mining**: Built a Data Mining model with SQL and Power BI that utilized previous space-mission timelines on Microsoft Project to predict how long future rovers and satellites would take to be developed.
- o **Automated Scripting**: Wrote Python Scripts and Power Pivot formulas to speed the accumulation and analysis of mission financial data in order to report faster and more accurate projections about mission funding.
- o **Project Management**: Assisted PMs in technical reviews and implementation discussions for robotic instruments on the Mars 2020 Rover and 4 future space missions.

Berkeley Haas School of Business (Research)　　　　　　　　　　Feb 2020 – Present
Undergraduate Research Assistant (Behavioral Finance/Data Analytics Lab)
- o **Full Stack Dev**: Developing a web application utilizing MySQL, PHP, Express.js, React.js, and Node.js in order to host behavioral finance research surveys and conduct simple data analysis on each surveys' results.
- o **Web Scrapping**: Integrated Python, Selenium, BS4, and ChromeWebDriver to retrieve LinkedIn profile data and sampled 100,000+ global employment records to estimate the veracity of businesses on LinkedIn & Glassdoor.

LEADERSHIP

Developen, Co-Founder – Software Developer & Business Strategist　　Sep 2019 – Aug 2020
- o Implemented responsive front-end components in React.js and designed web layouts with Figma and AdobeXD.
- o Incubated into Skydeck's moonshot startup accelerator after pitching about growth strategy to multiple VCs.

PlexTech, Club Founding President　　　　　　　　　　　　　　　Feb 2020 – Present
- o Managing the direct operations of 74 student project managers, software developers, and curriculum teachers and hosted a 200 participant computer science bootcamp and social justice hackathon (Plexhacks)
- o Working with 7 high-growth companies to form agile software development projects for UC Berkeley students.

PROJECTS

Day Trading Bot: Currently creating a 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.

SKILLS + AWARDS

- o Java, Python, JavaScript, TypeScript, GCP, Object Oriented, SQL, Scripting, HTML/CSS, Git, Processing, Jira
- o Learning: C/C++, Risc-V, MongoDB, AWS, TensorFlow, Docker, Kubernetes
- o Eagle Scout and Silver Eagle Palm Recipient
- o HackDavis 2020 Domain Challenge Winner, CalHacks 2019 Walmart API Challenge Runner Up