Rolando Cruz Barragan

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WORK EXPERIENCE

Amazon   **Cupertino, CA**
Software Development Engineer Intern   *June 2021 - August 2021*
- Built a robust backend that reduced internal team debugging time by 25% by analyzing network weight traffic and fetched data from ElasticSearch through APIs
- Created frontend with Vue.js for scaling and connected my backend to display log analysis data
- Conducted meetings with stakeholders to create design documentation used for application
- Collaborated with 5 Senior Software Engineers in an Agile environment making use of scrum, daily standups and biweekly sprints and participating in backlog grooming

Stanford HCI Research Group   **San Francisco, CA**
Research & Developer   *May 2015 - September 2016*
- Created full stack web app using Angular for front end and Django for backend to support high traffic
- The application helped users in Asia & Africa to acquire jobs in Europe and North America
- Research and development on this project was done with Stanford Human Computer Interactions
- Co-authored a research paper on Human Computer Interaction by analyzing the web application

EDUCATION

University of Toronto   **Ontario, CA**
Bachelor of Science Computer Science, Minor in Information Technology   *Years Attended: 2016-2017*
- Intro to Computer Programming, Intro to Computer Science, Discrete Math, Software Design

College of Marin   **Kentfield, CA**
Associate's Degree Computer Science & Business   *Years Attended: 2019-2022*
- Data Structures & Algorithms, Computer Organization in Assembly, Web Development

PROJECT EXPERIENCE

PizzaNow   **August 2022 - November 2022**
- Built a food delivery app using React.js/Next.js for the responsive front end and used Node.js, Express, and a custom-built REST API to fetch order and product data from MongoDB
- Used Next.js for a high-performing and optimized dynamic user experience
- Created robust backend to integrate Paypal API for secure payments and live order tracking status

Bug Tracker   **May 2022 - August 2022**
- Created my own bug tracker web app that allows users to create tickets and track the status of it
- Wrote backend to support filter tickets by priority, type, assign people to the tickets, and comments
- Created Express and Node.js APIs to fetch tickets/bug data from PostgreSQL

Ghost - An AI Writing Assistant   **January 2022 - April 2022**
- Full-stack web application built on React.js/Next.js for high availability & scalable front end
- Wrote custom-built backend and Node.js APIs and GPT-3 for the ML model on the backend
- Allows for users to enter any prompt and the AI will write a blog post/twitter thread/story for the user

SKILLS & INTERESTS

Languages: Javascript, TypeScript, Python, Java, HTML/CSS
Technologies: Node.js, React.js, MongoDB, Mongoose, Express, Git, NPM, PostgreSQL, Next.js, Redux, Context, State Management, Django, software architecture, Stripe/Paypal API, Unit testing, OOP, Figma
Experiences: Volunteered at a local San Francisco club to teach students web development, Hackathon Organizer at multiple hackathons, Operations Specialist at Apple Store between 2017 - 2021
Interests and Hobbies: Cultural cuisines, Hiking, Jogging, Traveling, Basketball