

Rolando Cruz Barragan

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WORK EXPERIENCE

Amazon Inc

Cupertino, CA

Software Developer Intern

June 2021 - August 2021

- Built a front end application written in Vue.js for log analysis and for internal team debugging
- Created backend for application was built to fetch data using Elasticsearch using a Node.js server
- Conducted meetings with stakeholders to create design documentation used for application
- Reduced internal team debugging time by 25% by analyzing network weight traffic
- 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

Interests and Hobbies: Cultural cuisines, Hiking, Jogging, Traveling, Basketball **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