

Rolando Cruz Barragan

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WORK EXPERIENCE

Amazon

Cupertino, CA

Software Development Engineer Intern

June 2021 - September 2021

- Implemented APIs in Java that analyzed network traffic from data fetched from ElasticSearch which resulted in the reduction of debugging time of internal teams by 25%
- Created a front end UI in Vue.js to display the analysis results from the APIs
- Facilitated meetings with stakeholders to create design documentation
- Collaborated with 5 Senior Software Engineers in an Agile environment making use of scrum, daily standups, biweekly sprints, and participating in backlog grooming

Stanford HCI Research Group

San Francisco, CA

Developer & Researcher

May 2015 - September 2016

- Set up full stack web app using Angular for front end and Django for backend
- Co-authored a research paper on Human Computer Interaction by analyzing the web application
- 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

PROJECTS

[Bug Tracker](#) - MongoDB, Express.js, React, Node.js

- Developed a project management tool to track project issues, bugs, tickets with the MERN stack and Next.js
- Implemented backend in Node.js to support filtering tickets by priority, type, assign people to the tickets, and comments
- Designed REST APIs to fetch, update, and create tickets/bugs with MongoDB with Mongoose

[PizzaNow](#) - MongoDB, Express.js, React/Next.js, Node.js, Paypal API

- Built a MERN stack food delivery app with a responsive front end and used Node.js, Express, and REST APIs to fetch order and product data from MongoDB
- Implemented front end UI in React and Next.js
- Wrote Node.js backend to integrate Paypal API for secure payments and live order tracking status

[Ghost](#) - An AI Writing Assistant - Next.js, React, Node.js, GPT-3

- Full-stack web application in React.js/Next.js
- Integrated APIs with Node.js and utilized 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

Languages: Javascript (ES6), TypeScript, Python, Java, SQL, C++, HTML, CSS

Frameworks: Node.js, React, Mongoose, Express.js, Next.js, Redux, Context, Django, Socket.io, Vue.js

Tools: Git, AWS, Netlify, Vercel, PostgreSQL, MySQL, MongoDB, Docker, NPM, Figma, TailwindCSS

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