Darren Nguyen

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EDUCATION

California State Polytechnic University, Pomona **Aug 2021 - Aug 2024**
Bachelor of Science, Computer Science | GPA: 3.83 Pomona, CA

Relevant coursework: Data Structures, Design and Analysis of Algorithms, Object-Oriented Design and Programming, Database Systems, Web Search and Recommender Systems, Mobile Application Development

TECHNICAL SKILLS

Programming Languages: Python, HTML/CSS, JavaScript, TypeScript, Java, SQL, Kotlin
Frameworks/Technologies: React, Node.js, Tailwind CSS, Next.js, Express, MongoDB, PostgreSQL

WORK EXPERIENCE

Poke Time, Buena Park **Jan 2022 - Jan 2024**
Food Server

- Experienced in preparing/serving food to customers as well as working the cashier
- Worked in a team environment to cultivate effective performance and communication in regards to completing tasks
- Tend to customer service in order to ensure satisfaction and accrue positive feedback

PROJECTS

Google Docs Clone | TypeScript, React, Node.js, Next.js, Tailwind CSS, Shadcn UI, Vercel, Convex, Clerk

- Built a full-stack web application emulating Google Docs using **React, Shadcn UI** and **Next.js** to build the frontend and **Convex** and **Clerk** for the backend
- Users can login, create documents from blank or a template, edit and format documents, save or print documents, have documents separated by personal or organizations, and invite other users to collaborate live
- Implemented **Email and Google authentication** through **Clerk** alongside **Convex** database so user documents and organizations are secured
- Took advantage of **Client Side Suspense** to **speed up load times** when entering document rooms and creating new documents

Northrop Grumman Collaboration UAV Project | Python

- **NGCP sponsored** project at Cal Poly Pomona where I worked with a **team of fellow software engineering students** in designing the software for a makeshift UAV
- Implemented **Python scripts** that allow **autonomous drone flight** as well as **aggregating coordinate data** from **KrakenSDR** and feeding it to the drone
- Utilized **Pymavlink, ROS, Gazebo, and PX4** to simulate drone flight in a virtual environment

CPP Biology Search Engine | Python, BeautifulSoup, MongoDB

- Developed a search engine in **Python** with a **team of four** to allow users to query faculty info and research papers in the Cal Poly Pomona Biology department
- Utilized the **BeautifulSoup library** to scrape **190 total pages** under a minute, storing **10 target faculty pages** and over **2000 index terms** in the backend database with **MongoDB**
- Implemented parsing, indexing, and ranking algorithms to return relevant results based on the search query

Blackjack Game Team Project | Kotlin, Android Studio

- Developed an interactive blackjack game with a **team of four** where the player goes against a dealer **A.I.**
- Written in the **Kotlin language** and utilized the **Android Studio development environment** to handle all operations