Bryant Jimenez

720-499-8710 | bryantjimenez@stanford.edu | linkedin.com/in/bryant-jimenez | Portfolio: bryantjimenez.netlify.app

EDUCATION

Stanford University   Stanford, CA
Bachelor of Science in Computer Science   *Sep 2019 – Exp. Fall 2024*

Relevant Coursework:

Programming Methodologies and Abstractions, Computer and Network Security, Artificial Intelligence, Design and Analysis of Algorithms, Computer Organization and Systems, Principles of Computer Systems, Compilers, Web Applications, Databases and Data Systems

PROJECTS

Flair eCommerce | flair-ecommerce.vercel.app | *TypeScript, Next.js, ReactJS*   June 2023 – August 2023
- Developed a fullstack ecommerce platform where users can add items to cart, sort and search products by different criteria, manage cart, and checkout through Stripe.
- Leveraged Sanity Headless CMS for efficient catalog management of **9 products**. Engineered a custom image gallery, **reducing page load time to 2.2 seconds.**
- Implemented full-text search functionality, enabling users to quickly find products, resulting in ∼**130% improved user engagement.**
- Integrated Stripe payments API with **response time of ∼210ms** on orders.

Photo Sharing Web App | *JavaScript, HTML, CSS, ReactJS*   Feb 2022 – Apr 2022
- Developed a PhotoSharing website where users can log in, register, upload photos, @mention other users, and view other user's details and photos.
- Orchestrated user authentication, registration, and login functionalities, resulting in a tight-knit user base of **11 Daily Active Users** over a 1.5-month span.
- Integrated MongoDB backend to optimize data retrieval, achieving an average **API response time of ∼250ms**
- Cultivated social interactions including liking, commenting, and mentioning on database of **250+ user-uploaded images, 400+ likes, 45 @mentions on 97 comments.**

Compiler for COOL Language | *C/C++/FLEX/Bison/MIPS*   Apr 2022 – June 2022
- Implemented lexical analyzer + parser, writing rules that match on user-defined regular expressions and perform a specified action for each matched pattern.
- Engineered a semantic analyzer for COOL that manages naming and scoping, type checking for **23+ types, 20+ symbols, classes, methods, and objects**, and full error message generation for erroneous programs.
- Wrote code generator that produces MIPS assembly for any COOL program.

Stanford Bash Shell | *C/C++*   Feb 2021 – Mar 2021
- Extended simple shell to support process control, job lists, signals, pipelines, and I/O redirection.
- Utilized multithreading techniques to **support over 8 different commands** like quit, bg, fg, exit, jobs, halt, slay, cont.

TECHNICAL SKILLS

Languages/Frameworks/Dev Tools: Python, C/C++, Linux, Unix, SQL, JavaScript, HTML/CSS, ReactJS, React Native, Golang, MATLAB, TypeScript, TailwindCSS, Node.js, Next.js, Google Cloud Platform

ACTIVITIES

ColorStack   Feb 2020 – Present
Member
- Engaged member of ColorStack, a community focused on championing Black/Latinx diversity and inclusivity in technology.
- Contribute to discussions, attend workshops and events aimed promoting diversity in the tech industry.

Los Hermanos De Stanford   Jan 2020 – Present
Member   *Stanford, CA*
- Helped fundraise $1500 scholarship yearly for Chicanx/Latinx high school students to pursue postsecondary education. Promoted cultural awareness and participation in the Chicanx/Latinx community at Stanford.