Ellis Chung

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Education

Stony Brook University   Stony Brook, NY   *Graduated December 2020*

Bachelor of Science in Computer Science

Relevant Courses: Software Engineering, Data Structures, Analysis of Algorithms, Principle of Database Systems, Object-Oriented Programming & Design, Scripting Languages, System Fundamentals

Skills

Languages: JavaScript, TypeScript, HTML5, CSS3, SCSS/SASS, Java, Python, Perl, C, MIPS, Bash, SQL/NoSQL

Technologies/Tools/Others: React.js, Node.js, Express.js, MongoDB, Next.js, Three.js, Tailwind CSS, Bootstrap, Axios, AJAX, Redux, jQuery, REST APIs, GraphQL, CI/CD, Test-Driven Development, Software Development Lifecycle, Socket.IO, Puppeteer.js, Commerce.js, Stripe, PostgreSQL, Git, VSCode, Eclipse, Windows, Linux/Unix

Project-Based Experience

Market++   *February 2023 – Present*

- A full stack MERN web app that aggregates marketplaces into one easy-to-use platform.
- Implemented robust user authentication using Auth and followed the MVC paradigm, underscoring my commitment to secure and scalable development practices.
- Intercepted and analyzed GraphQL requests from Facebook and OfferUp which allowed me to reverse-engineer third-party APIs for seamless data integration.
- Integrated eBay and Etsy APIs for data, and despite craigslist lacking a public API, I skillfully leveraged Puppeteer.js to scrape data, honing my proficiency in diverse data retrieval methods.

OverclockedUSA   *April 2022 – May 2022*

- An e-commerce web app for computer hardware and tech services built with React.js.
- Utilized Commerce.js API to seamlessly manage product inventory, enhance user shopping experiences, and optimize user transactions.
- Integrated Stripe to enable secure and efficient payment processing upon user checkout.

GuessTheAnime   *December 2021 – February 2022*

- A multiplayer web game where players compete to see who is more well-versed in anime songs.
- Implemented Socket.IO to provide real-time and bidirectional communication between web clients and servers. Built with React.js, Node.js, Express.js and styled with Material UI.

MixtapePlus   *October 2020 – December 2020*

- A full stack MERN Spotify clone featuring Recharts for advanced data visualization.
- Utilized Spotify API to integrate music playback, track searches, user playlists, and artist information, laying the foundation for personalized recommendations and dynamic data features.
- Cultivated a highly effective and positive team dynamic through active communication, adaptable collaboration, and empathetic conflict resolution, resulting in successful project execution.