

Ellis Chung

Software Engineer

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Education

Aug 2016 – Dec 2020

B.S. in Computer Science

Stony Brook University

Stony Brook, NY

Relevant Courses:

- Software Engineering
- Data Structures
- Analysis of Algorithms
- Principle of Database Systems
- Object-Oriented Programming/Design
- Computer Security
- Artificial Intelligence
- Scripting Languages
- System Fundamentals
- Operating Systems

Skills

Languages: Java, JavaScript, TypeScript, HTML5, CSS3, Python, Perl, C, MIPS, Bash, SQL

Technologies: Node.js, React.js, Express.js, MongoDB, Axios, MySQL, Bootstrap, Git, VSCode, Eclipse, Windows, Linux/Unix

Projects

Mixtape+ <https://mixtapeplus.herokuapp.com>

- A full-stack (MERN) web application that allows users to listen and share music with friends.
- Users can view statistics such as accumulated minutes listened and genre/artist distribution based on their music preferences.
- Extensive user profile customization with simple UI layout that's been designed with Ant Design.
- Uses the Spotify API with OAuth authentication and uses Axios to pull data from a REST API.
- Held weekly meetings with a team of 3 to discuss optimization of technology stack which resulted in a steady development process.

Guess The Anime <https://guesstheanime.netlify.app>

- A multiplayer game where players compete to see who can recognize the most anime based on their openings/endings/OSTs.
- Uses Socket.IO to provide real-time and bidirectional communication between web clients and servers. Helped to implement the in-game chat functionality and player point system.
- Built with React.js, Node.js, Express.js and styled with Material UI. Individual songs were rendered from YouTube in the background using ReactPlayer.

Mkt Scraper <https://github.com/ellischung/mkt-scraper>

- A web automation application that notifies users by email whenever new listings appear for a specified search query and price constraint.
- Scrapes various listing data from Craigslist, Facebook Marketplace, and OfferUp.
- Users can schedule desired intervals for the script to run and send emails via Nodemailer with CronJob.
- Utilizes Puppeteer.js and Node.js to gather relevant data from the above websites by controlling headless Chrome.