David Ye

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Education

Hunter College   Expected May 2023

- Bachelor of Arts in Computer Science, GPA: 3.8/4.0
- Relevant Coursework**:** Software Design and Analysis I, II & III, Calculus I & II, Discrete Structures, Computer Architecture I & II, Operating Systems, Database Management, Practical Web Development
- In progress: Intro to APIs, Digital Product Development, Computer Theory

Work Experience

Software Engineer Intern at JPMorgan Chase & Co.   June 2022 – August 2022
- RESTful full-stack application that allows business clients to create, update, and delete entries in various databases
- Created a user-friendly interface in React that allows business clients to make transactions within a SQL database using Spring Boot Java
- Clients can configure new SQL database to the application, with minimal changes to the codebase
- Collaborated in a team with other interns and full-time employees
- Utilized Agile methodology to streamline workload and maximize efficiency

College Assistant at Hunter SEEK   September 2020 – Present
- Assisting students by providing guidance and clarity for homework problems and for upcoming exams
- Teaching a variety of math courses (College Algebra, Pre-Calculus, Calculus) and intro to programming

Projects

Software Engineer at EverUp Micro-Credential   July 2022 – August 2022

- Developed websites in HTML, CSS, JavaScript, Python, and SQL utilizing modern and in-demand practices
- Attended weekly meetings to discuss the scope of assigned projects
- Collaborated with team members in planning out projects, and code implementations

Campus Management System | Node.JS, Express, React, Redux, PostgreSQL, Sequelize

- RESTful full-stack application that allowed users to manage a database of campuses and student profiles
- Users can create, read, update, and delete entries in the database
- Implemented server-side validation towards entries, and appropriate error messages towards users, ensuring that only valid data points can be created or updated.

Translator Bot | Node.JS   https://github.com/DavidY-23/translator-bot

- Discord bot which utilizes Discord API and Discord.js to parse text and a chosen language by users
- Utilizes DeepL API to translate sentences, or words into the user's inputted new language, providing a highly accurate translation

Kumibot |Python   https://twitter.com/Kumibot

- Twitter bot that utilizes the Twitter API, and Tweepy Python library to upload media at a set interval
- Deployed and maintained on Heroku, having 99% uptime

Skills

Programming Languages: JavaScript, TypeScript, Java, SQL, HTML, CSS, Python, C++
Technologies: React, Redux, Spring Boot, Bootstrap
Developer Tools: Git, GitHub, CLI, WSL, Heroku