

Timmy Chen

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EDUCATION

Rutgers University	New Brunswick, NJ
Bachelor of Arts, Computer Science	May 2025
Bachelor of Science, Business Analytics and Information Technology	May 2025
<ul style="list-style-type: none">GPA: 4.0/4.0	

PROFESSIONAL EXPERIENCE

JupyPod, Remote - https://github.com/JupyPod/JupyPod	Sept 2023 - Present
Developer (Part-time)	

- Developing an application using React, TypeScript, React Flow, and Zustand based on CodePod, where users can organize data and code on a canvas, allowing for seamless visualization and scalability.
- Implemented critical features such as exporting user data to a JSON file, which can then be imported into the application for progress persistence, and grouping nodes in boxes for organization and multi-selection.

CodePod Inc., Remote - https://codepod.io/	Jun 2023 – Aug 2023
Summer Intern	

- Contributed significant improvements to the user interface by implementing features such as font size adjustment sliders, auto-hiding toolbars, and styling adjustments using React, Typescript, and Zustand for state management.
- Learned best practices in collaborative coding and workflow management through experience with Git procedures and GitHub.

Rutgers Algorithmic Robotics & Control Lab , New Brunswick, NJ	Jun 2023 – Aug 2023
Undergraduate Assistant	

- Constructed several differential drive robot models by soldering circuit boards while collaborating with other students to develop lesson plans and a lecture video detailing robotics fundamentals.
- Wrote a program in Python employing the Matplotlib library to simulate the implementation of the Pure Pursuit Controller for robot path tracking in a 2D plane, serving as a visualization tool for the algorithm.

PROJECTS

Portfolio Website - https://chimmyten.github.io/Portfolio-Website/
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- Built a personal website built with HTML, CSS, and vanilla JS functioning as a showcase for projects and work.

Weather App - https://chimmyten.github.io/weather-app/
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- Created an interactive weather app built with React and Bootstrap that allows users to easily search for a location and receive weather information as well as the forecast with adjustable settings.
- Utilized the Free Weather API (<https://www.weatherapi.com/>) to collect weather data and display it to users.

Chess - https://github.com/chimmyten/Chess
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- Collaborated with another student to build a package in Java that serves as a functioning Chess game, where users can play chess against an opponent.
- Applied object-oriented programming principles to facilitate code correctness and reuse throughout the development process.

SKILLS

- Languages: Java, Python, C, HTML/CSS, JavaScript, TypeScript, SQL
- Tools: React, Bootstrap, MUI, React Flow, Remirror, Matplotlib, Zustand, Docker
- Coursework: Software Methodology, Design and Analysis of Algorithms, Linear Algebra, Data and Information Management, Computer Architecture