

## Timmy Chen

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### EDUCATION

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<b>Rutgers University</b>	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"><li>GPA: 4.0/4.0</li></ul>	

### PROFESSIONAL EXPERIENCE

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<b>JupyPod</b> , Remote - <a href="https://github.com/JupyPod/JupyPod">https://github.com/JupyPod/JupyPod</a>	Sept 2023 – Nov 2023
Intern	
<ul style="list-style-type: none"><li>Contributed code for placing Remirror rich text boxes on a React Flow canvas using React, TypeScript, and Zustand, and implemented core app functionality such as adding, deleting, and dragging nodes.</li><li>Implemented critical features such as exporting and importing user data to/from a JSON file for progress persistence and grouping nodes in auto-resizing boxes for organization and multi-selection.</li></ul>	
<b>CodePod Inc.</b> , Remote - <a href="https://codepod.io/">https://codepod.io/</a>	Jun 2023 – Aug 2023
Summer Intern	
<ul style="list-style-type: none"><li>Contributed significant improvements to the user interface by implementing font size adjustment sliders, auto-hiding toolbars, and styling adjustments using React, Typescript, and Zustand for state management.</li><li>Learned best practices in collaborative coding and workflow management through experience with Git procedures and GitHub.</li></ul>	
<b>Rutgers Algorithmic Robotics &amp; Control Lab</b> , New Brunswick, NJ	Jun 2023 – Aug 2023
Undergraduate Assistant	
<ul style="list-style-type: none"><li>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.</li><li>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.</li></ul>	

### PROJECTS

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<b>Portfolio Website</b> - <a href="https://chimmyten.github.io/Portfolio-Website/">https://chimmyten.github.io/Portfolio-Website/</a>
<ul style="list-style-type: none"><li>Built a personal website with HTML, CSS, and JavaScript functioning as a showcase for projects and work.</li></ul>
<b>Flight Reservation Website</b> - <a href="https://github.com/chimmyten/Travel-Project">https://github.com/chimmyten/Travel-Project</a>
<ul style="list-style-type: none"><li>Worked with a team to create a travel website using JSP and MySQL where customers can search for flights using various criteria and reserve flights which are added by an admin user.</li><li>Implemented the search page which queries the database for flights based on user inputs, and flight reservation functionality, including a waitlist and notification feature for full flights.</li><li>Assisted with the database design process which consisted of drawing an Entity Relationship Diagram adhering to database design principles and translating said diagram into a schema for relational tables.</li></ul>
<b>Android Photo Albums App</b> - <a href="https://github.com/chimmyten/Photos-Android">https://github.com/chimmyten/Photos-Android</a>
<ul style="list-style-type: none"><li>Collaborated with a peer to design and build an Android app with Java and Android Studio where users can create photo albums and add tags to uploaded pictures, as well as display photos in a gallery slideshow.</li><li>Contributed essential features such as creating, deleting, and renaming albums, searching with auto-completion using photo tags, and serializing user data for persistence when closing and reopening the app.</li></ul>

### SKILLS

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