Dylan Zhou

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EDUCATION

RENSSELAER POLYTECHNIC INSTITUTE (RPI)   **Troy, NY**
Bachelor of Science in Computer Science, GPA: 3.62   *Expected Graduation May 2026*

- Current Course(s): Database Systems, Cloud Computing
- Completed Courses: Data Structures in C++, Foundations of Computer Science, Computer Organization, Introduction to Algorithms, Principles of Software Design, Operating Systems, Application Design Using Java
- Named to Dean's Honor List

TECHNICAL PROJECTS

STUDYIT

- Developed a multi-page, study-focused application using React.js and Next.js, featuring task management, timers, and a informative dashboard with real-time data.
- Integrated YouTube data API for music and Google search API for quick access to searches
- Integrated a rank system to track user progress rewarding achievements with rank upgrades
- Implemented a To-Do list and calendar system with task creation, deadline tracking, and alerts

SHUTTLE TRACKER

- Designed and implemented a distance tracking and estimated time arrival algorithm for the shuttles
- Associated each stop with their corresponding routes by their distance away from route coordinate
- Refactored API/endpoints to distinguish current and known schedules by creating models for schedules

LEANTO

- Developed a web browser task management application
- Styled and developed feature to view tasks depending on team selected or all tasks utilizing Preact.js for smooth user experience
- Implemented functionalities of adding/deleting tasks and adding/removing teams/projects.

NOTTS

- Designed a user-friendly markdown note-taking Electron.js application with support for folder organization to help users keep notes organized and easily accessible
- Developed a RESTful API integrated with MongoDB, implementing full CRUD operations to handle folders and notes via HTTP requests

SKILLS

PROGRAMMING LANGUAGES: C, C++, Java, Python, Verilog, Swift, JavaScript, TypeScript
FRAMEWORK(S): React.js, Node.js, Express.js, Next.js, Electron.js, Electron.js, Mongoose, Preact.js
TOOLS/ APPLICATIONS: Git, GitHub, pgAdmin, MongoDB Compass, DBeaver

PROFESSIONAL EXPERIENCE

RPI CENTER FOR CAREER AND PROFESSIONAL DEVELOPMENT   **Troy, NY**
Student Worker   *January 2023– Present*

- Assisted career counselors with their tasks and students with navigating through Handshake
- Provided guidance and answers to some of the frequently asked questions that students have
- Answered phone calls from employers and parents and directed them to the right person