

Dylan Zhou

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EDUCATION

RENSSELAER POLYTECHNIC INSTITUTE(RPI)

Troy, NY

Bachelor of Science in Computer Science, GPA: 3.65

Expected Graduation May 2026

- Current Course(s): Programming Languages, Network Security And Defense
- Completed Courses: Data Structures in C++, Computer Organization, Introduction to Algorithms, Operating Systems, Application Design Using Java, Cloud Computing, Database Systems
- 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 an 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

EATYUMS

- Developed a dynamic meal planning web application using React.js, Next.js, and TailwindCSS, allowing users to search, view detailed ingredient lists and save recipes
- Designed and implemented user authentication using Auth.js with email and password login
- Enhanced user experience through streamlined recipe search, display, and interactive planning features
- Integrated calendar tracking functionality for saved recipes, allowing users to schedule meals

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

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, JavaScript, TypeScript, Swift, PostgreSQL, MongoDB

FRAMEWORK(S): React.js, Node.js, Express.js, Next.js, Drizzle ORM, Electron.js, Mongoose, Preact.js, JavaFX

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