REUBEN RENSHAW

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EDUCATION

Rochester Institute of Technology — Anticipated May 2026
BS/MS in Computer Science — GPA: 3.84 — *Rochester, NY*
- Selected Coursework: Linear Algebra, Analysis of Algorithms, Principles of Data Management, Probability & Statistics, Intro to Software Engineering

WORK EXPERIENCE

Software Engineer — May 2024 – Present
Data Annotation Inc. (Remote)
- Train large language models for code generation by refining outputs and supplying optimal reference implementations.
- Debug model-generated programs across Python, C, C++, JavaScript, Java, and Go.
- Assess over 300 model responses, boosting accuracy through iterative prompt and output analysis.
- Collaborated with Google researchers to pinpoint and mitigate security vulnerabilities in LLM prompts.

Computer Science Tutor — May 2025 – Present
theCoderSchool
- *Part-time, 10 hrs/week.* Deliver engaging one-on-one and cohort sessions in Scratch, Python, Java, and C++, boosting learner assessment scores by 18%.
- Engineer over 20 project-centric lesson plans aligned with AP CS and collegiate benchmarks.

PROJECTS

Raspberry Pi Home Lab | *Raspberry Pi OS, Navidrome, ALSA, Samba* — Jun. 2025 – Present
- Built a homelab on a Raspberry Pi 5 that streamed and recorded high-fidelity audio through an external DAC/ADC, ran Navidrome for music playback, and served as a simple NAS for household file storage.

Books Database Application | *PostgreSQL, Python* — Jan. 2025 – May 2025
- Designed a Goodreads-style platform: translated an EER model into 12 normalized tables with secure CRUD and analytics procedures.
- Loaded over 10k records and showcased data insights in a departmental poster session.

Donation Website Backend | *Java, Spring Boot, Angular* — Aug. 2024 – Dec. 2024
- Built RESTful services, integrated an Angular UI, and managed an Agile workflow for a four-member team.

Mandarin Flashcard Generator | *Python, DeepL API* — May 2024 – Aug. 2024
- Automated generation of Mandarin–English flashcards and leveraged multithreading for 80% faster deck creation.

AWARDS & EXTRACURRICULARS

Micromouse Robotics Team — Programming Lead — May 2025 – Present
Rochester Institute of Technology — *Rochester, NY*
- Programmed an STM32 microcontroller in C++ to run PID motor control and flood-fill maze-solving algorithms.
- Collaborated with mechanical teammates to integrate hardware and achieve millisecond-level response in autonomous maze navigation.

Founder, Chinese Conversation Table Club — Aug. 2024 – Present
Rochester Institute of Technology — *Rochester, NY*
- Hosted weekly Mandarin practice sessions and campus-wide cultural events for over 30 participants.

Dean's List, GCCIS — 2023 – 2024
Rochester Institute of Technology

SKILLS

Programming: C, C++, C#, Python, Java, HTML, CSS, JavaScript, Postgre SQL
Hardware/Embedded: soldering, basic circuit analysis
Tools & Frameworks: Git/GitHub, NumPy, TensorFlow, JavaFX, Angular, VS Code, Jetbrains Suite, React
Platforms: Windows 10/11, Linux, macOS
Languages: English (native), Mandarin Chinese (intermediate)