Raymond Quan

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Technical Skills

Currently Learning: *React, MongoDB, MySQL, AWS Cloud Practitioner*
Programming Languages*: Python (OOP), JavaScript, HTML/CSS*
Frameworks & Libraries*: Flask, Tailwind CSS, Bootstrap*
Developer Tools*: Git/GitHub, Firebase, Docker, VMware, Figma*
Databases*: SQLite, MongoDB*
Soft Skills*: Communication, Adaptability, Teamwork, Time Management*

Projects

Invisible CAPTCHA Web App (Senior Design)| JavaScript, Firebase (Auth, Firestore, Cloud Functions|
https://github.com/CapstoneBlueteam/Website-Production

- Designed a full-stack web application using Firebase Auth and Firestore to collect and store behavioral data for bot detection
- Implemented serverless Cloud Functions for secure validation of API, and Captcha keys, enforcing access control within Firestore Security Rules.
- Collaborated in a 5-person team with sponsor-driven milestones, delivering a live demo and contributing to an IEEE-formatted paper scheduled for April 2026.

Battery API| Python, Flask, RESTful API, JSON| https://github.com/RayQCodes/BatteryApp

- Built a modular RESTful API using Python and Flask to simulate battery data and utility endpoints.
- Applied a clean API design, JSON formatting, and command line config parsing using Argparse to practice real world backend work

EduSync AI (In Progress) | Java, Spring Boot, PostgreSQL, OpenAI API|github.com/RayQCodes/EduSyncAI

- Designed an in-progress backend scheduling automation project exploring syllabus parsing and calendar integration using Java, Spring Boot and APIs.
- Prototyped scheduling and note organization logic as part of an exploratory backend system.

Clubs/Extracurriculars

Volunteer Developer for MAIS Solutions LLC|https://github.com/RayQCodes/UnitApiTester   06-2025-09/2025

- Built an API testing platform using HTML, CSS, JS, Python, and SQLite to validate backend performance for CYSE hackathon.
- Integrated automatic testing, analytics, and persistent result storage to monitor API reliability and speed.
- Collaborated on Blue team planning using Fail2ban, Nmap, tcpdump, and Wireshark for log analysis, intrusion detection and incident containment.

Accenture Developer Job Simulation | Architecture, SSDLC, Agile

- Completed a simulation replicating real world developer tasks, including architectural design, secure coding practices and Agile project planning. Learned about the software engineering life cycle.

Google Developer Club (GDG)   01/2025 – Present

- Attended workshops and hackathons focused on Google technologies and software development
- Collaborated with peers on coding projects and discussion about industry trends

Society of Asian Scientists and Engineers (SASE)   01/2022 – Present

- Participated in professional development events and networking sessions
- Engaged in Mentorship Programs to help for professional development (Workshops)

Education

B.S. Cybersecurity Engineering, minor in Computer Science, George Mason University, Dec 2026