Wei Lu

U.S. Citizen | weiqlu@vt.edu | linkedin.com/in/weiqlu | 757-761-7420

EDUCATION

Virginia Tech   **Expected May 2026**
Bachelor of Science in Computer Science – GPA: 3.80 / 4.00   Blacksburg, VA

- **Relevant Coursework**: Data Structures & Algorithms, Database Management Systems, GUI Programming, Mobile App Development, Operating Systems.

EXPERIENCE

Software Engineer Intern   Jun. 2025 – Present
Investure   Charlottesville, VA

- Reporting & Analytics.

Undergraduate Teaching Assistant   May 2024 – May 2025
Virginia Tech Department of Computer Science   Blacksburg, VA

- Supported 400+ students in Data Structures and Database courses, assisting with algorithm analysis, ER modeling, complex SQL queries, and database optimization.
- Held weekly office hours, resolving ∼25 student questions each week related to coursework, debugging, and exams.

Student Hiring Administrator   Mar. 2024 – Jun. 2025
Virginia Tech Dining Services   Blacksburg, VA

- Collaborated in an 8-person team to manage end-to-end hiring for 1,500+ student employees each semester.
- Automated applicant processing using Microsoft Power Automate, saving up to 5 minutes per applicant and significantly accelerating the overall hiring processes.

PROJECTS

HokieTracker | FastAPI, React, SQLite   Jun. 2025 – Present

- Built a Python-based automation tool with a FastAPI backend and lightweight SQLite database to monitor Virginia Tech course availability and detect openings in real time.
- Designed a UI for course input and integrated Twilio to automatically send SMS alerts, helping 5+ students enroll 2–3 minutes faster than third-party alternatives.

EduGrade | React, Express, Node.js, MySQL   May 2024 – Present

- Built a centralized platform combining official grade distributions and anonymous reviews for 20,000+ courses to help students make informed scheduling decisions.
- Designed efficient REST APIs using Express and MySQL, supporting real-time data retrieval, full-text search, and responsive filtering by course, instructor, and department.

weiqlu.dev | React, Material UI, Framer Motion   Apr. 2025 – May 2025

- Built a personal portfolio with smooth animations to highlight projects, experience, and background.
- Containerized with Docker and deployed it on a self-hosted NAS, hosting it 24/7 via Cloudflare Tunnel, reverse proxy, and two custom domains.

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, SQL
Frameworks & Libraries: React, Express.js, Node.js, FastAPI, Material UI, Jest, Pytest
Databases : MySQL, MongoDB, SQL Server
Developer Tools: Git, Docker, AWS (RDS), Azure DevOps