

Wei Lu

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EDUCATION

Virginia Tech

Bachelor of Science in Computer Science, **GPA: 3.80/4.00**

Expected Dec 2025

Blacksburg, VA

EXPERIENCE

Software Engineer Intern

Investure

Jun 2025 – Present

Charlottesville, VA

- Built an automated multi-agent pipeline using the OpenAI API to extract structured data from financial documents with 99% accuracy, reducing processing time from hours to minutes and saving thousands in third-party licensing costs.
- Developed a React UI to centralize financial document handling for 10+ analysts, streamlining review and approval workflows and cutting lookup time.
- Improved extraction accuracy and reliability via pytest unit tests and refined AI prompts for edge cases.

Undergraduate Teaching Assistant

Virginia Tech Department of Computer Science

May 2024 – Present

Blacksburg, VA

- Assisted 400+ students in Data Structures & Algorithms (Java) and Database Management Systems, covering algorithm analysis, ER design, SQL queries, and performance optimizations.
- Resolved 25+ student questions weekly via office hours and online forums.

Student Hiring Administrator

Virginia Tech Dining Services

Mar 2024 – Jun 2025

Blacksburg, VA

- Collaborated with an 8-person team to manage hiring for 1,000+ student employees each semester.
- Built an automated applicant processing flow in Microsoft Power Automate, reducing manual data entry by ~5 minutes per candidate and enabling faster offer turnaround.

PROJECTS

HokieTracker | React, FastAPI, PostgreSQL

- Developed a system to continuously monitor Virginia Tech's course availability, detecting updates in under 3 seconds and eliminating manual page checks.
- Designed a mobile-friendly UI with push notifications, which has already helped 6 students secure high-demand courses 2–3 minutes faster than paid alternatives

EduGrade | React, Express, Node.js, MySQL

- Built a centralized platform combining official grade distributions and anonymous reviews for 20,000+ courses, helping students make more 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.

weiqu.dev | React, Material UI, Framer Motion

- Designed and deployed a portfolio with smooth animations to highlight projects and professional experience.

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript/TypeScript, SQL

Frameworks & Libraries: React, Node.js, Express, FastAPI, Jest, Pytest

Databases : MySQL, PostgreSQL, SQL Server

Developer Tools: Git, Docker, AWS (RDS), Azure DevOps