

# Wei Lu

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## EDUCATION

### Virginia Tech

Bachelor of Science in Computer Science – GPA: 3.82 / 4.00

Expected May 2026

Blacksburg, VA

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

## EXPERIENCE

### Software Engineer Intern

Investure

Jun. 2025 – Present

Charlottesville, VA

- Software Engineer Intern for Summer 2025.

### Undergraduate Teaching Assistant

Virginia Tech Department of Computer Science

May 2024 – May 2025

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

Virginia Tech Dining Services

Mar. 2024 – Jun. 2025

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 | React, Python

Jun. 2025 – Present

- Developed a Python automation tool to track Virginia Tech course availability and deliver real-time alerts faster than existing third-party platforms.
- Built a simple React UI for students to submit course preferences and receive availability notifications through an intuitive interface.

### 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.

### weiqu.dev | React, Material UI

Apr. 2025 – Jun. 2025

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

## TECHNICAL SKILLS

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

**Frameworks & Libraries:** React, Express.js, Node.js, FastAPI, Material UI, Jest

**Databases :** MySQL, MongoDB

**Developer Tools:** Git, Docker, AWS (RDS), Azure Devops