

# Wei Lu

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## EDUCATION

<b>Virginia Tech</b>	<b>Expected May 2026</b>
Bachelor of Science in Computer Science – GPA: 3.82 / 4.00	Blacksburg, VA
<ul style="list-style-type: none"><li>• <b>Relevant Coursework:</b> Data Structures &amp; Algorithms, Database Management Systems, GUI Programming, Mobile App Development, Operating Systems.</li></ul>	

## EXPERIENCE

<b>Software Engineer Intern</b>	<b>Jun. 2025 – Present</b>
Investure	Charlottesville, VA
<ul style="list-style-type: none"><li>• Developed an automated pipeline in Python using OpenAI's LLM APIs to extract key-value data from complex financial documents with ~99% accuracy, reducing manual processing time by ~80%.</li><li>• Structured schema-aligned outputs for seamless ingestion into internal databases, enabling efficient downstream analytics and reporting.</li></ul>	
<b>Undergraduate Teaching Assistant</b>	<b>May 2024 – May 2025</b>
Virginia Tech Department of Computer Science	Blacksburg, VA
<ul style="list-style-type: none"><li>• Supported 400+ students in Data Structures and Database courses, assisting with algorithm analysis, ER modeling, complex SQL queries, and database optimization.</li><li>• Held weekly office hours, resolving ~25 student questions each week related to coursework, debugging, and exams.</li></ul>	
<b>Student Hiring Administrator</b>	<b>Mar. 2024 – Jun. 2025</b>
Virginia Tech Dining Services	Blacksburg, VA
<ul style="list-style-type: none"><li>• Collaborated in an 8-person team to manage end-to-end hiring for 1,500+ student employees each semester.</li><li>• Automated applicant processing using Microsoft Power Automate, saving up to 5 minutes per applicant and significantly accelerating the overall hiring processes.</li></ul>	

## PROJECTS

<b>EduGrade</b>   React, Express, Node.js, MySQL	<b>May 2024 – Present</b>
<ul style="list-style-type: none"><li>• Built a centralized platform combining official grade distributions and anonymous reviews for 20,000+ courses to help students make informed scheduling decisions.</li><li>• Designed efficient REST APIs using Express and MySQL, supporting real-time data retrieval, full-text search, and responsive filtering by course, instructor, and department.</li></ul>	
<b>weiqu.dev</b>   React, Material UI	<b>Apr. 2025 – Present</b>
<ul style="list-style-type: none"><li>• Built a responsive portfolio with smooth animations to showcase projects, experience, and background.</li><li>• 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.</li></ul>	
<b>HokieTracker</b>   Python	<b>Dec. 2023</b>
<ul style="list-style-type: none"><li>• Developed a Python-based automation tool to track course availability and send real-time alerts, helping 5+ students enroll 2–3 minutes faster than with existing third-party services.</li></ul>	

## 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