Evan Jiang

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Education

University at Buffalo, The State University of New York   Expected May 2025
Bachelor of Science in Computer Science   *Buffalo, NY*
- Honors: Excelsior Scholarship, Dean's List, Best Domain Name Award
- Relevant Courses: Software Engineering, Algorithms and Complexity, Web Development, UNIX Systems Administration, Intro to Artificial Intelligence, Project Management, Functional Programming, Intro to Linear Algebra, Intro to Statistics

Technical Skills

Languages: Python, Java, JavaScript, Scala, C, C#, HTML/CSS, PHP
Developer Tools: Git, React, Tailwind CSS, UNIX, Github, Blender, Unity, Docker, Flask, MS Office, Google Workspace
Project Management: Trello, Agile Development, Design Review

Experience

Teaching Assistant   Aug 2023 – Present
School of Engineering and Applied Sciences - University at Buffalo   *Buffalo, NY*
- Instructed 600+ students in Java Programming, Data Structures & Algorithms and Discrete Mathematics ensuring proficiency in DSA fundamentals and logical thinking skills.
- Conducted 4 weekly office hours and 2+ recitations, resolving over 50+ queries on lecture concepts and coding assignments.
- Reviewed and provided feedback to over 100+ assignments per semester to enhance student understanding of material.

Software Engineer - Research Assistant (Manufacturing Metaverse)   Aug 2023 - Dec 2023
Department of Computer Science and Engineering - University at Buffalo   *Buffalo, NY*
- Researched and designed an interactive VR/AR industrial training solution using Unity and C#, reducing employee training costs by $1000+ per person while improving safety compliance.
- Integrated physics-based interactions for realistic object manipulation, improving simulation accuracy by 25% and enhancing user immersion in AR/VR training environments.
- Presented project outcomes at University-Wide CS Demo Day, competing against 100+ projects and receiving positive faculty interactions.

Projects

Basketball Reinforced Learning Model | *Python*
- Designed and developed a reinforced learning model using Ridge Regression and Random Forest Tree Models to predict NBA MVP candidates based on historical performance trends.
- Utilized Selenium and Beautiful Soup to scrape relevant player stats over 5+ seasons, storing them for real time predictions.
- Initiated a visualization dashboard with Matplotlib and Plotly, displaying season over season MVP predictions.

Schedule Sync| *PHP, MySQL, React, Tailwind CSS*
- Engineered a Small Business Client Scheduling and system with over 100+ concurrent users.
- Mitigated security risks by 20% by integrating multi-factor authentication and encrypting sensitive client data.

DevIt | *Python, JavaScript, HTML/CSS, Flask, MongoDB, Docker*
- Collaborated on a Social Media platform tailored for Software Developers in a team of 3 with 100+ users in the first month.
- Optimized database operations using MongoDB, with a 20% increase in query efficiency and speed.
- Integrated RESTful APIs for real-time post retrieval & authentication.

FisionTech - Financial Literacy Application| *Python, HTML/CSS, Bottle Framework, AJAX, Plotly*
- Engineered a Full-Stack Financial Literacy Platform in a team of 3 to help College Students budget their money utilizing the 50/30/20 Rule.
- Implemented various graphs for spending visualization, leading to a 50% increase in user understanding of needs, wants, and savings.