Simon Wang

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Research Interests: Artificial intelligence, AR/VR, Deep Learning, Data visualization

Education

University of Maryland — College Park, MD
M.S., Computer Science — *Expected December 2024*
B.S., Computer Science (GPA: 3.52) — *December 2023*
University Honors — *2019-2023*
Presidential Scholarship — *2019-2023*

Skills

Programming: Java, JavaScript, Python, C, C++, C#, JavaScript, HTML, D3.js, SQL, Apache Spark
Software: Unity, GitHub, VSCode, MS Office, Google Suite, MATLAB, SAS
Languages: English (native), Mandarin Chinese (fluent speaking, intermediate reading/writing)

Experience

University of Maryland — College Park, MD
Research Assistant — *Jun. 2023 – Dec. 2023*
- Coded software tool to annotate data visualization SVGs
- Used JavaScript, HTML, and Python to develop front-end and back-end of a web page

University of Maryland — College Park, MD
Student Initiated Course Co-Facilitator — *Jan. – May 2023*
- Co-taught course on creating custom shaders in Three.js (CMSC398K)
- Prepared course materials and lectured about linear algebra needed for computer graphics
- Graded and gave feedback on homework and coding assignments

Amazon — Seattle, WA
Software Dev. Engineer Intern, Amazon's Choice — *May – Aug. 2022*
- Developed quality assurance tools to improve Amazon's Choice recommendation system
- Used Java, Apache Spark, and AWS to push and test code on Amazon databases
- Worked in team with 20+ software engineers in collaborative environment with daily meetings
- Presented solution ideas and final product to Amazon's Choice team and received feedback

University of Maryland — College Park, MD
Undergraduate Teaching Fellow — *Jan. – May 2021*
- Facilitated electrical and computer engineering lab course (ENEE101)
- Designed, taught and graded core electrical and computer engineering topics/labs
- Mentored students through issues in class time and during office hours

Relevant Coursework

AI, Deep Learning, Embodied Media Design, XR, Computer Graphics, Game Programming, Data Visualization, Algorithms, Data Structures, Applied Probability & Statistics, Linear Algebra, Calculus III, Technical Writing