

Yuxuan Mei

(646) 830-3939

ym2552@cs.washington.edu

UW Homepage

Education

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| University of Washington, School of Computer Science & Engineering | Expected 2024 |
| Ph.D. in Computer Science, Allen School CSE Research Fellowship ('19) | |
| Columbia University, School of Engineering and Applied Sciences | May 2019 |
| B.S. in Computer Science, <i>summa cum laude</i> | GPA: 4.07/4.33 |
| Honors: Dean's List ('15-'18), Russell C. Mills Award ('19) | |

Research and Teaching Experience

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| Research Assistant | Jun 19 - Present |
| with Prof. Adriana Schulz, University of Washington, Seattle, WA | |
| • Currently working on developing simulation methods for computational fabrication | |
| Undergraduate Research Assistant | Sep 18 - May 19 |
| with Prof. Changxi Zheng, Columbia University, New York, NY | |
| • Researched on noise removal and learning-based audio processing literature and summarized existing methods | |
| • Scraped and analyzed audio datasets, and trained and evaluated neural networks with custom training data using PyTorch | |
| Teaching Assistant at Columbia University, New York, NY | Sep 16 - May 19 |
| (Intro to CS in Java, F16 to S18, Head TA in F18, S19; Computer Graphics, S18, S19; Computer Animation, F18) | |
| • Coordinated and supported course staff to make the course experience better for students | |
| • Answered questions and helped with debugging during weekly office hours and through online platforms | |
| • Graded homework with detailed feedback, led recitations, and improved homework starter code and documentation | |
| Undergraduate Research Assistant | Sep 17 - Dec 17 |
| with Prof. Steven Feiner, Columbia University CGUI Lab, New York, NY | |
| • Worked with VR researchers to create visualizations of foliage using Unity packages with custom C# scripts | |
| Undergraduate Research Assistant | Sep 16 - Jan 17 |
| with Prof. Douglas Almond, Columbia University Economics Department, New York, NY | |
| • Crawled pollution monitoring data from static and dynamic web pages using Python with Redis for crawler job scheduling | |
| • Cleaned the data to CSV files and SQLite databases for further statistical analysis | |

Work Experience

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| Software Engineering Intern | May 18 - Aug 18 |
| DoubleClick for Publishers team at Google, New York, NY | |
| • Designed and implemented a FlumeJava pipeline to process front end activity logs to generate an activity graph | |
| • Refactored an internal tool and incorporated the activity sequence visualization into the tool | |
| • Reviewed internal use cases with UX, PM, and other SWE teams to improve the pipeline and its documentation | |
| Engineering Practicum Intern | May 17 - Aug 17 |
| Keyword Planner team at Google, Los Angeles, CA | |
| • Created an overview page in the app Keyword Planner that displays forecast data using Angular Dart and Sass | |
| • Created a data service on the front end server to serve data for the overview cards using Java | |
| • Implemented a backend API to support location-based forecast data for the data service using Java | |

Leadership and Extracurricular Experience

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| Corporate Chair at Columbia Womxn in Computer Science, New York, NY | Apr 16 - May 19 |
| • Connected with corporate sponsors to plan and fund events and scholarships to help build the WiCS community on campus | |
| Illustrator at Columbia Science Review, New York, NY | Sep 15 - Mar 18 |
| • Illustrated for club publications to promote science; topics include quantum computing and cryptography | |

Skills and Interests

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| Languages | Chinese (native speaker), English (fluent), Japanese (intermediate) |
| Programming/Tech | Python, Java, C/C++/C#, Dart, HTML/CSS, SQL, git, L ^A T _E X, OpenGL, FlumeJava, PyTorch |
| Other Interests | teaching, singing, walking, drawing, cooking |