

Yuxuan Mei

(646) 830-3939

ym2552@cs.washington.edu

UW Homepage

Education

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

Research Assistant	Jun 19 - Present
with Prof. Adriana Schulz, University of Washington, Seattle, WA	
• Currently working on developing simulation methods for computational fabrication as well as algorithms for knitting design	
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

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

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

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