Yuxuan Mei

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Education

Columbia University in the City of New York   Expected May 2019
Bachelor of Science in Computer Science   GPA: 4.06/4.33
- Coursework: Analysis of Algorithms, Computer Animation, Computer Graphics, Computer Vision, Machine Learning
- Honors: Dean's List, SelfScore Scholarship ('17), Google Intern GHC Travel Grant ('17)

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, documented the general usage, and familiarized other teams with example use cases

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
- Collaborated with another Google team to coordinate sharing components and styles with our project

Research and Teaching Experience

Undergraduate Researcher   Sep 18 - Present
with Prof. Changxi Zheng, Columbia University, New York, NY
- Research on audio processing literature, exploring machine learning as well as signal processing methods in Python
- Currently working within a team towards solving the audio watermark removal problem

Teaching Assistant   at Columbia University, New York, NY   Sep 16 - Present
(Intro to Prog. in Java, Fall 16 to Spring 18, Head TA in Fall 18; Computer Graphics, Spring 18; Computer Animation, Fall 18)
- Coordinate and support course staff to make the course experience better for students
- Answer questions and help with debugging during weekly office hours and through online platforms
- Grade homework with detailed feedback, lead recitations, and improve homework starter code and instructions

Undergraduate Researcher   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 Researcher   Sep 16 - Jan 17
with Prof. Douglas Almond, Columbia University Economics Department, New York, NY
- Crawled static and dynamic web pages using Python (requests and selenium packages) with redis for job scheduling
- Cleaned the pollution monitoring data to CSV files and SQLite databases for further statistical analysis

Leadership and Extracurricular Experience

Corporate Chair   at Columbia Womxn in Computer Science, New York, NY   Apr 16 - Present
- Connect with companies for sponsorship to plan and fund events like annual networking dinner, diversity hackathon, and general body meetings as well as a GHC scholarship 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	Mandarin (native speaker) ⋆ English (fluent) ⋆ Japanese (intermediate) ⋆ Korean (beginner)
Programming/Tech	Python ⋆ Java ⋆ C/C++/C# ⋆ Dart ⋆ HTML/CSS/Javascript ⋆ MATLAB
	SQL ⋆ postgresql ⋆ sqlite3 ⋆ git ⋆ latex ⋆ Unity ⋆ OpenGL ⋆ FlumeJava ⋆ PyTorch
Other Interests	Chemistry ⋆ teaching ⋆ singing ⋆ walking ⋆ drawing ⋆ cooking