JENNIFER S. WANG

Preferred Name: Mína Wang
Website: www.minawang.com | LinkedIn: linkedin.com/in/mina-swang
GitHub: https://github.com/minawang01

EDUCATION

Fourth-Year Undergraduate Student | Columbia University in the City of New York   **2019 – Present**
    Bachelor of Arts: Computer Science | **Track**: Applications
    GPA: 3.82

Exchange Student in Faculty of Arts | University of Hong Kong   **9.2022 – 12.2022**

WORK EXPERIENCE

Meta Software Development Engineer | Instagram Network Performance   **5.2022 – 8.2022**
- Use **Kotlin** and **Java** to implement profile background prefetching framework to Android's **WorkManager** API and optimize prefetching schedule based on user behavior, peak gCPU times, and device status
- Collaborate on code design with team members in order to refactor code around **WorkManager** and **Kotlin Coroutines**
- Reduced self-profile navigation latency by 9.9% and increased navigation success rate by 1.06%

Amazon Software Development Engineer | Amazon Devices-Demand Planning   **6.2021 – 9.2021**
- Used **Python** libraries to design and code framework for **validation system** for a forecasting system which trains ML models to predict demand for Amazon devices world-wide
- Designed and implemented an in-file validator that detects and reports five kinds of validation errors over **50,000+** rows of data to locate and prevent prediction errors in the forecasting model lifecycle

Research Assistant Dept. of Computer Science | University of Nebraska-Lincoln   **5.28.2020 – 5.14.2021**
- Researched and reported properties and use cases of different methods of visualizing multivariable nodes using **d3.js**
- Created **music acoustic properties visualizer** to depict benefits of radar graphs to visualize multi-dimensional data

EXTRACURRICULARS

Vice-President Risk Management | Sigma Delta Tau   **12.2021 – 5.2022**
- Conducted chapter-wide training on event guidelines and actions to take in situations requiring medical assistance
- Collaborated with SDT executive board to develop guidelines and training for social events to ensure the safety and comfortability of all chapter members in relation to COVID policies and managing attendance

Webmaster | Girls Who Code   **10.2020 – 1.2022**
- Create GWC website using **JavaScript, CSS**, **HTML**, and **Bootstrap**
- Update and maintain member profiles, keep website up to date on news regarding club applications

OUTSIDE COURSEWORK

Break-Through Tech AI | Cornell   **6.2022 – 9.2022**
- One out of over 300 applicants nation-wide to attend classes through Cornell University to learn about artificial intelligence, machine learning, and data science

PROJECTS

Music Acoustic Properties Visualizer   **5.2021**
- Created web app to visualize acoustic properties of individual songs and acoustic trends in artist albums and user-created playlists for all music within the Spotify API in a radar/spider graph using **d3.js**

Serving Static and Dynamic Contents to a Webpage   **12.2020**
- Wrote web-server that serves static HTML files, dynamic list-based content, and image files through HTTP requests using **C, sockets**, and **HTML** and **CSS**
- Server creates a **TCP connection** to allow elements corresponding to user-entered search terms in local database to be displayed in a stylized fashion on the webpage

Running Trail and Weather App   **9.2020**
- Made API calls to recommend trails, temperature and humidity forecast, and best times to run based on user-entered information using **NodeJS, ExpressJS, Bootstrap,** and **fetch**

HONORS

John Jay Scholar | Columbia University Scholars Program   **9.2019 – Present**
Dean's List | Columbia University   **Fall/Spring 2019-2022**

SKILLS

Technical Skills and Tooling | Java, Kotlin, JavaScript, Python, C, C++, HTML, CSS, JQuery, Bootstrap, WorkManager, DJ.js, Pandas, Numpy

Soft Skills | Organized and logical verbal and written communication • Analytical problem-solving • Efficiently prioritize and make goal-oriented decisions • Guide team efforts to align with company's overarching goals

Languages Spoken | English (Expert/Native) • Mandarin (Intermediate) • German (Beginner)