

QUELLA WANG

Email: wang.zhenj@northeastern.edu · **Phone:** (978) 809-4982 · **Web:** qquella.com

LinkedIn: www.linkedin.com/in/qquella

EDUCATION

Northeastern University

Bachelor of Science in Mathematics and Computer Science, GPA: 3.96/4.00

Boston, MA

Expected, June 2026

Honors: Dean's List 2023-2024, Cum Laude Society, Student Government Senator, Frank Prentice Rand 1908 History Prize

Courses: Machine Learning and Statistical Learning Theory, Computer Systems, Object-Oriented Design, Statistics and Stochastic Processes, Algorithms and Data

Activities: Northeastern University Symphony Orchestra (NUSO) Violin 2, José Mateo Ballet Theatre YDP Level V, Graduate Student Data Club, MathEMA Mentor, Math Club

SKILLS

Technical Experienced in Python, C, Java, Javascript, and SQL programming; proficient in L^AT_EX, Git, o365, Excel, PowerPoint, Slack, Outlook

Libraries Pandas, NumPy, Sklearn, Seaborn, Node.js, React.js

Language Fluent in German, Cantonese; conversational in speaking Mandarin

EXPERIENCE

Boston Intercollegiate Government (BIG), Northeastern Representative

May 2024 - Present

- Represent Northeastern University as 1 of 2 delegates in a coalition of student governments from 30+ colleges in Boston.
- Advocate for the interests of over 150,000 college students in areas like housing, transportation, student rights.

Math Department, Northeastern University

Graduate Research Project: Brain CT Image Hemorrhage Segmentation

June 2024 - Present

- Utilized SQL and Python to design and optimize data pipelines and ETL processes for large-scale medical datasets, ensuring efficient data transformation and analysis.
- Applied big data processing techniques to manage complex datasets and improve model performance using machine learning models for real-time medical image analysis.
- Worked with data schema design by organizing data structures for feature extraction and leveraging GLCM (Gray Level Co-occurrence Matrix) for feature identification.
- Gained hands-on experience in data warehousing solutions by processing and storing medical imaging data for analysis and optimizing workflows in a collaborative environment.

Northeastern University Student Government Association (SGA)

December 2023 - Present

Student Representative, University Undergraduate Curriculum Committee (UUCC)

- Represent 16,000+ students on faculty-led committees reviewing & recommending course curriculum changes.
- Vote as the only student representative, influencing decisions on academic programs and policies.
- Led efforts to integrate highly requested course options into the core requirements for CS and DS programs.

Khoury College of Computer Sciences, Voting Student Advisory Board Leader

June 2024 - Present

- Represent over 4,000+ students as 1 of 9 board members.
- Liaison between students and Khoury administration, advocating for curriculum and resource improvements.

Jane International Trading LLC, Analytics Intern

June 2022 - December 2023

- Collect, analyze, and interpret data; use visualization tools to generate regular reports and facilitate decision-making.
- Build and maintain strong relationships with international clients, promptly addressing inquiries and resolving issues.
 - Assisted clients from Switzerland, Israel, and Korea and built close connections
 - Facilitated trades valued more than \$600,000

LEADERSHIP

Oasis, Director of Resources

May 2024 - Present

- Authored educational resources and designed and led development workshops with a focus on web development and backend systems.