

Bruce X. Wu

he/him | wu.bruce.x@gmail.com | github.com/bruce-x-wu | New York, NY

EDUCATION

New York University

BA in Mathematics and Computer Science, Minor in Data Science

New York, NY

May 2023

WORK AND VOLUNTEER EXPERIENCE

Learning Assistant | NYU University Learning Center (New York, NY) January 2021-Current

- Assisted 7 students a week struggling with understanding computer science and mathematics concepts by offering alternative explanations and creating instructive examples in half-hour sessions
- Hosted and prepared group workshops for 30 members of the larger college community on healthy study habits and university resources

Co-Director | Bit Project (Remote) February 2021-July 2021

- Oversaw a 5-person team through the development of a 9 week-long undergraduate level data science curriculum about applying NumPy, Pandas, and Scikit-learn to digital humanities
- Directed a 5 week-long, 5-person focus group on the curriculum and converted collected feedback into deliverables

Teacher | Northampton Community College (Bethlehem, PA) August 2018-May 2019

- Developed a year-long curriculum and lesson plans preparing 23 middle school students for annual math competitions
- Recorded scores from weekly homework and test assignments from 23 students and studied score statistics to adjust future lesson plans to better fit students' needs

SKILLS

Programming: Python, Java, SQL, HTML, CSS, JavaScript, C++, Node.js

Technical Software: Git, Jupyter Notebooks, Eclipse, MongoDB, Mathematica, LaTeX

Foreign Language: Conversant Fluency in Mandarin, Basic Knowledge of French

PROJECTS

Our Soundtrack (our-soundtrack.herokuapp.com)

- A web app built with Node.js and MongoDB that utilizes the Spotify API to create playlists that incorporate a group's listening preferences

BruceBot (github.com/bruce-x-wu/brucebot)

- A Discord bot built with Python that gives users a game of chance and records user engagement in a MySQL server