Yi Jiang

Pronounced "Yee" | Available: May - August 2022

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Education

Northeastern University, Boston, MA   **Sep 2019 - Present (Dec 2022)**
Khoury College of Computer Sciences

- **Degree:** Candidate for BSc in Computer Science
- **Honors:** GPA: /4.0 | Dean's Scholarship | Dean's List
- **Relevant Courses:** Algorithms & Data | Database Design | Object-Oriented Design | Computer Systems
  Foundations of Data Science | Mathematics of Data Models | Fundamentals of Information Analytics
  Machine Learning and Data Mining 1 | Foundations of Cybersecurity | Discrete Structures

Mt Lebanon High School, Pittsburgh, PA   **Sep 2015 - May 2019**

- **Honors:** GPA: 3.9/4.0 | AP Scholar with Distinction | QuestBridge NCM Finalist
  CMU SUCCEED | National Honor Society | Cum Laude Society

Skills & Knowledge

Languages: Proficient: Python, Java, SQL, HTML, CSS
Familiar: JavaScript, R, LaTeX
Explored: C, MIPS Assembly, Racket, Visual Basic

Tech & Tools: Git, Linux/Ubuntu, Windows, Powershell, Jupyter Notebook, R Shiny, Tableau, Excel

Work Experience

Teaching Assistant CS 2810   **Jan 2021 - May 2021**
Khoury College of Computer Sciences, Boston, MA

- Hold office hours for a course about Python, linear algebra, and statistics
- Assess students and provide feedback on assignments and exams
- Collaborate with professor and TAs to provide academic support

Resident Assistant Housing and Residential Life   **Aug 2020 - Present**
Northeastern University, Boston, MA

- Serve as a leader, role model, peer counselor, and advocate for student residents
- Collaborate with a team to develop an environment conducive to social belonging and personal growth
- Uphold community health and safety standards, especially during a pandemic

Office Assistant Center for Spirituality, Dialogue, and Service   **Jan 2020 - Aug 2020**
Northeastern University, Boston, MA

- Coordinated administrative tasks and boosted office productivity

Projects

ThanosBot (Personal) **-** Python, SQLite   **Apr 2018 - Present**

- Built a Discord bot to help manage and moderate a large server of 100,000+ members
- Utilized SQLite database to store and retrieve user information

DataBaste (Group) **-** Java, Python, MySQL   **Dec 2020**

- Built a recipe search application allowing for customized culinary exploration
- Scraped data from recipe websites and designed data tables using MySQL database
- Developed back-end API using JDBC and integrated it with front-end Java Swing GUI

FakeNewsDetector (Group) - NumPy, Pandas, Scikit-learn, SciPy, Plotly Express, Seaborn   **Jun 2020**

- Utilized k-NN, Multinomial NB, and Decision Tree supervised learning to classify fake news and real news
- Optimized hyperparameters using Gridsearch and achieved cross-validation mean accuracy of 93%
- Analyzed and visualized characteristics of fake news and real news articles' attributes