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Yi Jiang
Available: June - December 2021

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Education

- **Northeastern University, Boston, MA**   **Sep 2019 - Present (May 2023)**

   Khoury College of Computer Sciences
   Degree: Candidate for BS in Computer Science | Minor: Business Analytics
   Honors: GPA: 3.46/4.0 | Dean's Scholarship
   Relevant Courses: Algorithms & Data | Computer Systems | Database Design | Discrete Structures
                        Object-Oriented Design | Foundations of Data Science | Fundamentals of Comp Sci 1 & 2
                        Mathematics of Data Models | Intro to Math Reasoning

- **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
   Relevant Courses: AP Computer Science A | AP Statistics | AP Calculus BC | AP Physics C: Mechanics
                        AP Physics C: E & M | AP Psychology | AP Environmental Science | AP Chemistry

Skills & Knowledge

Languages: Proficient: Python, Java, SQL, HTML, CSS
                   Familiar: JavaScript, LaTeX
                   Explored: C, MIPS Assembly, Racket, Visual Basic
Technologies: Git, Linux/Ubuntu, Windows, Powershell, VS Code, Jupyter Notebook, IntelliJ IDEA, Eclipse

Work Experience

Teaching Assistant   **Khoury College of Computer Sciences**   **Jan 2021 - Present (Apr 2021)**
CS 2810: Mathematics of Data Models   Boston, MA

- Hold weekly office hours for a course of 300+ students
- Assess students and provide feedback to promote academic success

Resident Assistant   **Northeastern University**   **Aug 2020 - Present (May 2021)**
Housing and Residential Life   Boston, MA

- Serve as a leader, role model, peer counselor, and advocate for 400+ student residents
- Develop an environment conducive to academic success and personal growth
- Uphold community health and safety standards, especially during a pandemic

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

- Coordinated administrative tasks and boosted office productivity

Projects

ThanosBot (Personal) - Python, SQL   **2018 - Present**

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

FakeNewsDetector (Group) - Jupyter Notebook, 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

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

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