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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
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
Honors Visual Basic 2 | Graphics Computer Tech 1 & 2

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

Other: Microsoft Office, Adobe Photoshop, Camtasia

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
 - Utilize 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