JAMES WO

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EDUCATION

Rutgers University (Honors Program) New Brunswick
Bachelor of Science, Major in Computer Science + Mathematics, Minor in Statistics *Sept. 2018 – May. 2022*
- GPA: 3.90/4.00, CS GPA: 3.96/4.00
- Relevant Coursework: Operating Systems, Distributed Systems, Database Management, Graduate Machine Learning + AI, Software Methodology, Internet Technology, Data Structures/Algorithms
- Extracurricular: TEDxRutgers, Mobile Application Development Club

EXPERIENCE

Amazon Austin, TX
Software Development Engineering Intern *May 2021 – Aug. 2021*
- Developed a feature that allows Amazon Business customers to view previous orders and add them within their wishlists, and deployed it to production
- Designed and implemented asynchronous REST APIs to fetch customer's order history and product details
- Utilized MVC architecture and worked full stack on feature
- Wrote unit tests, provided documentation, set up A/B testing
- Technologies involved: Java, Spring MVC, JSP, JavaScript (jQuery, AJAX)

MetLife Whippany, NJ
Software Development Engineering Intern *Jun. 2020 – Aug. 2020*
- Worked in Core Data Services team to develop various functions and unit tests to manage/transform Private Securities data
- Generated documents for API consumption for a web portal used by MetLife clients
- Technologies involved: Spark, Databricks, Azure (DevOps, Data Factory)

Rutgers University New Brunswick, NJ
Teaching Assistant *Sept. 2019 – Present*
- Instructed recitation sessions and held office hours for CS 112: Data Structures
- Instructed recitation sessions for CS 111: Introduction to Computer Science

TEDxRutgers New Brunswick, NJ
Technology Director / Vice President *Sept. 2019 – Present*
- Updated TEDxRutgers website for upcoming events
- Technologies involved: HTML, CSS, Bootstrap

PROJECTS

Nardwuar [MongoDB, Flask, Firebase, Heroku, Python]
- Worked backend on an iOS application that provides insight on a musical artist using RESTful programming.
- Organized user accounts and utilized various music APIs to fetch JSON data about an artist.

MusicMatch [Firebase, CoreLocation, Swift]
- Worked full stack on an iOS application that connects users to nearby users sharing musical interests and allows them to message one another
- Manages user accounts and fetches user data, allows user to add musical interests, finds nearby users with similar music interests

Music Attributes Prediction [NumPy, Matplotlib, Python]
- Implemented MICE data imputation algorithm and trained a model to predict missing music attributes in a dataset
- Collected additional data from Spotify's web API to predict features such as time signature, danceability, tempo, energy, and more

SKILLS

Languages: Java | Python | JavaScript | C | Swift | SQL | HTML/CSS
Frameworks/Technologies: Django | MongoDB | Spring | Flask | Firebase | AWS | React | Spark | Azure | Git
Other: Cocoa Pods | Bash | Visual Studio Code | Eclipse | Xcode