

Yueshan Wang

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EDUCATION

University of Maryland

Expected Graduation December 2021

Bachelor of Science in Computer Science and Bachelor of Arts in Economics

- Related Coursework: Advanced Data Structures, Computer Networks, Design and Implementation of Programming Languages, Algorithms, Intro to Data Science, Computer and Network Security, Intro to Compilers
- Dean's Scholarship Recipient
- Overall gpa - 3.45

EXPERIENCE

Student System Administrator, *UMD Computer Science Department*

June 2019 - Present

- Performed troubleshooting on network hardware and software and provided IT support for university faculty, staff and graduate students.
- Set up and maintained Linux file servers for graduate student research

SKILLS

Languages: Ruby, OCaml, Rust, Java, Javascript, C, C++, Python, x86, Racket, SQL

Tools: Scikit-learn, MATLAB, Git, Arduino, Raspberry Pi, VirtualBox

PROJECTS

Sentiment Analysis of Wall Street Bets

- Jupyter notebook tutorial walking through the data science pipeline from data curation, parsing and management to exploratory data analysis and hypothesis testing and machine learning to provide analysis.
- Utilizes Python 3, scikit-learn and pandas to handle data and data visualization.
- Uses a random forest classifier for machine learning and analysis.

Racket Compiler

- Constructed a compiler for a custom functional programming language that converts source code to x86 instructions in racket
- Implemented partial implementation of parameters

Bittorrent Client

- Command line interface that interoperates with other bittorrent clients and downloads and seeds with other peer clients.
- Implemented using Python and utilizes choking to manage network congestion.

Secure Gradebook

- Gradebook program written in Java that supports adding students, assignments and grades to a serialized gradebook file for secure transport and storage of grades.
- Utilizes MAC address to guarantee authenticity and AES Encryption to guarantee confidentiality of gradebook contents.
- Uses object-oriented programming for categorizing grades, students and gradebooks.

HOBBIES

- Modern Board Games, Roller Skating, Travelling