Michael Zhao

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DESCRIPTION

Dedicated and reliable teammate who seeks to complete tasks proactively. Love coding and problem solving. Interested in software development and engineering.

EDUCATION

Cornell University   **Ithaca, NY**
B.A. in Computer Science, Minor in Linguistics   *Aug 2017 - May 2021*

- Completed Coursework: Introduction to Computing Using Python, Data Structures & Object-Oriented Programming, Discrete Structures, Computer Systems Organization & Programming, Introduction to Artificial Intelligence, Data Structures & Functional Programming, Computational Linguistics
- Next semester coursework: Introduction to Analysis of Algorithms, Machine Learning for Intelligent Systems, Natural Language Processing

EXPERIENCE

DatapointLabs & Matereality   **Ithaca, NY**
Software Development Intern   *Jun 2019 - Present*

- Worked as a full-stack developer migrating a material data management system from ASP.NET Web Forms to ASP.NET MVC 5, using C#, jQuery, knockout.js, and .NET framework
- Helped on a translation program for the material data management system, implementing such that the software translated across different apps and pages
- Ported a version of the system from ASP.NET MVC 5 to ASP.NET Core 2.2
- Utilized plotly.js to create a responsive and high performance graphing tool inside the Matereality data management system
- Created a system to upload, read, and parse multivariate data from CSV files, then import to a dynamic graph using plotly.js

University of California, San Francisco   **San Francisco, CA**
Research Assistant in Department of Radiology   *Jun 2018 - Aug 2018*

- Assisted UCSF Radiology in utilizing computer vision and deep learning with consolidating an AWS Lambda pipeline to read radiological scans
- Utilized TypeScript to link the radiology computer vision pipeline with a graphical user interface intended for streamlined testing and experimentation

PROJECTS

Spotify Account Analyzer   *Aug 2018 - Present*

- Created several Python scripts that scrape and analyze user data from Spotify, using a Python API wrapper
- Returns most-listened to artists, tracks, and albums within varying timeframes for a given Spotify account
- Allows viewing of specific track audio features, such as danceability and loudness

Planet X   *Apr 2018 - May 2018*

- Utilized data structures to implement the part of the game where the spaceship traverses the graph of nodes from the target destination back to the source, while optimizing score along the path and making sure ship has enough fuel to return to initial planet

KEY SKILLS

Java, Python, Git, C#, JavaScript, ASP.NET   **Proficient**
C, Unix / Bash, OCaml   **Familiar**