Michael Zhao

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DESCRIPTION

Dedicated, committed, and reliable teammate who seeks to complete tasks and challenges proactively and adeptly. Seeking personal growth while contributing to surrounding environment by mediating and reaching consensus. Above all, love coding and problem solving.

EDUCATION

Cornell University   **Ithaca, NY**
B.A. Computer Science   *Aug 2017 - May 2021*
Relevant 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, Introduction to Analysis of Algorithms, Introduction to Natural Language Processing

KEY SKILLS

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

ACADEMIC PROJECTS

Planet X   *Apr 2018 - May 2018*
- Used data structures in DS & OOP class to create a game whereby a spaceship traverses a graph of nodes to reach a target destination
- 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

Spotify Account Analyzer   *Aug 2018 - Sep 2018*
- Created a small Python script/app that scrapes user account data and analyzes data from Spotify, using a Python API. Returns most-listened to artists, tracks, and albums within varying timeframes of Spotify users.

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

University of California, San Francisco Radiology   **San Francisco, CA**
Research Assistant   *Jun 2018 - Aug 2018*
- Assisted the UCSF China Basin Radiology Department 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