Benjamin Yu

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Education

Stony Brook University   **Expected Graduation - May 2019**

Bachelor of Science in Computer Science

- Coursework: Software Development, Cloud Computing, Databases, Programming Languages, Algorithms, Machine Learning, Networking, System Fundamentals, Data Structures

Technical Skills

- Languages: Python, JavaScript, HTML, CSS, Java, C, C++, Bash, SQL
- Technologies: Windows, Linux, CentOS, MacOS, AWS, VMware Workstation, MySQL, Git

Experience

High Performance Computing Engineer   **May 2018 - Present**

Institution for Advanced Computational Science

- Implemented unit tests to automate software environment maintenance of over 100 open source and enterprise applications in a parallel file system on CentOS Linux
- Resolved hundreds of Customer Service tickets by troubleshooting and debugging system issues
- Developed shell scripts to monitor system health

Computer Science Teaching Assistant   **Jan - May 2018**

Stony Brook University

- Taught and held review sessions for 80 students in Foundations of Logic and Mathematics

Projects

Movie Database (Fall 2018):

- Online Database for users to search information about movies and actors. CentOS, VMWare Workstation, PHP, MySql, Git, Apache

Synchronized To-do List (Summer 2018):

- Online to-do list accessible across mobile and web clients, allowing users to retrieve and update their list globally. React-Native, React.js, Ajax, Html, CSS, AWS, PHP, MySql, Git, Apache

Game Win Predictor (Spring 2018):

- Implemented Machine Learning Models to predict wins from character selection and game mode with 60% accuracy. Python Tensorflow

Subway Map Maker (Fall 2017):

- Desktop GUI Application to build maps, allowing users to add/drag objects, undo/redo, saving/loading, etc. Java, Git

Additional Activities

- **Youtube Creator** (Dec 2015 – Jan 2017): Independently produced over 200 films with a cumulative viewer watch time of over 190 days
- **Go Club President** (Apr 2015 – Dec 2016): Broadcast International Professional Go Tournament at Harvard University with a peak of over 1500 cumulative concurrent viewers