Benjamin Yu

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Experience

Software Development Engineer   **June 2019 – Present**
Amazon – PillPack
- Create serverless orchestrator for replacement orders and notifications. AWS, Step Functions, SNS, Lambda, Code Deploy
- Create, configure and deploy service with continuous integration to onboard with the service of a partner team using AWS, EC2, Cloudformation, VPC
- Develop service to inform customers of healthcare payment options in Java to create consistency in information displayed on the retail site and AB tested to ensure positive customer experience

High Performance Computing Engineer   **May 2018 – May 2019**
Institution for Advanced Computational Science
- Implemented unit test framework to automate software environment maintenance of over 100 open source and enterprise applications in a 250 node cluster with a parallel file system on Nvidia, Cray and Intel Architectures
- Convert code to run in parallel using multiple nodes and cores
- Resolved hundreds of Customer Service tickets by troubleshooting and debugging system issues

Education

Stony Brook University
Bachelors of Science in Computer Science (May 2019)
- Coursework: Software Engineering, Cloud Computing, Machine Learning, Databases, Programming Languages, Networking, System Fundamentals, Algorithms/Data Structures

Projects

Stack Overflow Clone (Spring 2019):
- Architected a system to sustain load of 1000 current users with 99% of requests handled in under 500ms. Python, Flask, Ansible Playbook, Open-Stack, Rabbit-MQ, Cassandra, MongoDB

Comic Website (Spring 2019):
- Developed a social media website to create, upload and consume online comics. React.js, Material-UI, Spring, Node.js, MySQL

Game Win Predictor (Spring 2018):
- Implemented Machine Learning Models to predict wins from character selection and game mode with 60% Accuracy. Python, Tensorflow

Technical Skills

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

Additional Activities

Teaching Assistant (Jan–May 2018): Taught recitation classes for 80 students
Go Club President (Apr 2015 – Dec 2016): Produced and broadcasted International Professional Go Tournament at Harvard University with a peak of over 1500 cumulative concurrent viewers