

# Benjamin Yu

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## Experience

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### Software Development Engineer

June 2019 – Present

Amazon – Consumer Organization

- Develop service to inform customers of healthcare payment options in Java to create consistency in information displayed on the retail site
- Create environment and deploy service using proprietary cloud management software

### High Performance Computing Engineer

May 2018 – May 2019

Institution for Advanced Computational Science

- Implemented unit tests to automate software environment maintenance of over 100 open source and enterprise applications in 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

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### Stony Brook University

May 2019

Bachelors of Science in Computer Science

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

## Projects

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### 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 website to create, upload and consume online comics. React.js, Material-UI, Spring

### 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, Html, CSS, PHP, MySQL, Git

### 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

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

## Additional Activities

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

