


Yang Yang

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EDUCATION

- **Stony Brook University** Stony Brook, NY
B.S. Computer Science: Honors, B.A. Sociology Expected Graduation: May 2021
 - GPA: 3.79/4.00
 - Relevant Coursework: Analysis of Algorithms, Theory of Computation, Finite Mathematical Structures, Programming Languages, Operating Systems, Advanced Unix Programming, Cloud Computing

EXPERIENCE

- **File systems & Storage Lab** Stony Brook, NY
Undergraduate Research Assistant June 2020 - Present
 - Assessing storage systems in cloud-native environments to inform future cloud benchmark design
 - Focus on Ceph and OpenEBS performance with Kubernetes
 - Performing analyses via Metricbeat and CLI tools
- **COMPAS Lab** Stony Brook, NY
Undergraduate Research Assistant June 2019 - August 2019
 - Worked on multi-threading the mantis/squeakr software for indexing genomic data
- **Datto** East Greenbush, NY
Software Engineer Intern June 2018 - April 2019
 - Increased the scope of unit tests for a reporting engine designed for customer data
 - Built a dashboard in C#'s WPF to make testing more accessible for the development and QA team
 - Identified and resolved bugs that were reported in customer tickets

PROJECTS

- **Moses-Yang Space** Cloud Computing - Fall 2019
 - Built a replica of Twitter with the aim of supporting 1000 concurrent users
 - Served the microservices using Flask and Nginx
 - Hosted data via MongoDB, MySQL, Ceph, and Elasticsearch
 - Deployed services on Google Cloud Platform via Ansible
- **Roomballistic** Hack@CEWIT 2019 - Hackathon
 - Engineered a mobile security device with Python on a Raspberry Pi and Google Cloud Platform
 - Linked video feed with facial recognition processing hosted on GCP
 - Awarded Best Multimedia Hack among 30+ projects and 100+ participants

EXTRACURRICULARS

- **Stony Brook Computing Society** September 2017 - January 2020
 - Secretary - Fall 2019 to January 2020
 - * Managed club emails and event schedules for the rest of the elected board
 - * Continued organizing workshops and company events for a community of 100 active members
 - Community Liaison - Fall 2018 to Spring 2019
 - * Analyzed statistics for the club, including membership and event participation
 - * Organized workshops and company events, such as company office tours

SKILLS

- Languages: Java, C#, C, JavaScript, Python, HTML/CSS, SQL
- Technologies: NoSQL, Ceph, Elasticsearch, Flask, React, Ansible, Git, Subversion