# Kenny Hu

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## EDUCATION

**Stony Brook University, SUNY**
Computer Science, B.S.
Applied Mathematics & Statistics, B.S.
Data Structures • Analysis of Algorithms • Theory of Computation • Software Development • Probability/Statistics

August 2017 - May 2021
GPA: 3.6/4.0

## WORK EXPERIENCE

**Teaching Assistant at Stony Brook University**                                                            January 2020 - May 2020
- Collaborated with a faculty member to deliver a comprehensive understanding of data structures to students
- Promoted interactive and personalized learning experience for students during office hours
- Helped design object-oriented programming assignments that use a wide variety of data structures

**Brooklyn Navy Yard Development Corporation – Intern**       June 2019 - August 2019 • June 2018 - August 2018
- Wrote simple scripts using PowerShell to automate basic tasks
- Worked with JAMF to supervise the corporation's iOS devices
- Managed the corporation's users in various systems as system administrator
- Worked as a help desk technician and helped resolve hardware, software, or connectivity issues
- Created a live network map detailing network connection between buildings, status and location of each device
- Assisted the IT department in launching and testing a new visitor management system

## PROJECTS

**Fitness Web App – *written in JavaScript/HTML/CSS (Still currently under development)***
- A single page web application made with React, Redux, and Firebase
- Information such as workout routines and meal plans are unique to each user
- Utilized the queue data structure to populate a user's workout recommendation list with other users' routines
- Currently working on an algorithm that would match users with similar workout routines and workout interests

**Personal Website – *written in JavaScript/HTML/CSS***
- Utilized Bootstrap and jQuery to give an appealing materialized look and easy user navigation
- Created interesting animations and transformations with jQuery and CSS properties
- Accounted for different screen sizes so that the website dynamically adjusts its content to the size of the browser

## SKILLS

**Programming Languages:** Java • JavaScript • Python • C • MIPS Assembly • Perl

**Libraries/Frameworks:** React • Redux • Bootstrap • jQuery

**Other Skills:** HTML • CSS • Firebase NoSQL • Android Studio • Scripting • System Administration

**World Languages:** Cantonese/Mandarin

## ACTIVITIES & HONORS

**Stony Brook University Dean's List**                                                                         August 2017 - Present

**HackSBU Hackathon – PiggyBank Android App – *written in Java***                             September 2019
- A CRUD application created using Android Studio and supported by Firebase NoSQL database
- Parents can assign chores to their children via the app and reward them for completing tasks
- Keeps track of a child's current tasks, recent transactions, and items on the wish list in a database
- Learned how to develop full stack mobile applications for the Android OS