

# Vivian Yee

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## **Education**

**Stony Brook University** – Computer Science and Applied Mathematics and Statistics      *August 2018 – December 2021*

- Cumulative GPA: 3.57 / 4.0

Experience

Better – Software Engineer	February 2022 – Present
<ul style="list-style-type: none"><li>• Collaborating with a group of 5 people in the Collateral Insurance team and Homeownership pod to brainstorm ways to build a more efficient and quick way for homeowners to secure their property.</li><li>• Increasing functionality of Better's homeowners insurance business or known as Better Cover, this uses clients' data to calculate and surface up to 5 insurance quotes in a consistent web experience.</li><li>• Improving Better Cover's visibility by continuing to decrease restrictions on service eligibility.</li><li>• Launched a quote error pane to display to those who are unable to receive a quote in Better Cover and exhibits a contact page that allows the client to reach one of our available advisors.</li></ul>	

**Better – Software Engineer Intern** *June 2021 – August 2021*

- Independently created an internal admin view dashboard which displays information of customers that have been permitted to get a pre-approval letter for a mortgage and are ready to buy a home.
- Hit Graphql endpoints using Magellan and retrieved customers' contact information, saved properties on their account, pre-approval letters, and milestones on applications they have started on a property.
- Parsed through customer data and displayed them in a way that is easily accessible.
- Demonstrated a great understanding of the relationship between the business side of Better and the information gathered by the purchase journey experience team by creating the dashboard.

**SBU System Support Staff – Student Assistant** *September 2019 – March 2020*

- Checked 20 lecture halls to ensure projectors, printers, and monitors are working properly and received approximately 10 phone calls everyday for troubleshooting computer issues throughout the building.

## Technical Skills

Java、JavaScript、TypeScript、Python

Projects

<b>Population Equality Generator</b> – Project Leader	August 2021 – December 2021
<ul style="list-style-type: none"><li>• Oversaw a group of 3 to create a web application that displays demographics, elections, and borders of Maryland. It allows the user to determine which out of a set of 30 previously generated districtings to examine and further optimize to create an ideal redistricting that decreases gerrymandering in the state.</li><li>• Delegated tasks to each individual to ensure a consistent and smooth workflow.</li><li>• Built Python scripts that parses through census data to gather demographic and election figures, then calculates the appropriate statistics to be displayed to the user.</li><li>• Developed, designed, and launched the frontend of the web application from scratch using React.</li><li>• Presented the population equality generator project to a class of 30 people.</li></ul>	

**School Planner – Creator** *December 2018 – January 2019*

- Devised an application which allows users to plan out their school classes before officially scheduling it.
- Showcased expertise in implementing stacks and queues by having options for adding, removing, or getting courses in planner.