

EDUCATION

Virginia Polytechnic and State University

Bachelors of Science, Computer Science, Minor: Mathematics

Blacksburg, Virginia

August 2018 - December 2021

- **Cumulative GPA:** 3.70/4.0
 - 2021 Outstanding Undergraduate Teaching Assistant (UTA) award
 - Nationwide Scholarship Recipient

SKILLS

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- **Programming Tools:** Python, Java, MatLab, C, HTML, Typescript, CSS, Kotlin, SQL
 - **Computer Programs / Technologies:** SolidWorks, Firebase, Django, Oracle, AWS, Angular
 - **Others:** Leadership, Public Speaking, Management, Science, Mathematics

WORK EXPERIENCE

Software Engineer Intern

Fannie Mae

Reston, Virginia

June 2021 - August 2021

- Made **pull requests** and contributed to the team's production level codebase by working on stories (features) for the application's frontend UI written in **Typescript (Angular)**.
- Wrote **Jest** unit tests to test user interface logic as well as **API requests** made by the frontend.
- Used **Java Springboot** to write **API endpoints** called by the Angular frontend.
- Utilized **pair programming** by doing mobbing sessions with other developers on the team to debug issues in the code base.
- Worked with the team to map data flow between multiple tables in a **relational database**.
- Learned how to communicate with team members and other interns in a virtual environment.
- Presented progress on projects as well as the final products to the entire team.

Undergraduate Teaching Assistant

Virginia Tech Department of Computer Science

Blacksburg, Virginia

January 2021 - Current

- Undergraduate Teaching Assistant for CS 3714 - Mobile Software Development (Android)
- Duties include helping students with coding assignments (via office hours) and grading homeworks.

Software Engineer Intern

Fannie Mae

Reston, Virginia

June 2020 - August 2020

- Created a website with built-in authentication using the **Django** web framework written in **Python, Javascript, HTML, and CSS** with data stored in a **sqlite3 relational database**.
- Created a design for a **relational database** to hold data from multiple .config files. Normalized the database up to the third normal form.
- Wrote a **python** script that checked for updates within an **Oracle** database every minute and appended the new records to a **pandas data frame**.
- Created a **python** program with multiple classes that calculates the weights for several categories and subcategories that go into calculating the Operational Health Index (OHI) for departments.
- Learned how to discuss and implement project requirements with clients (in this case, my manager / team).
- Learned how to work in an agile work environment; more specifically the scrum process.