Brandon Frulla

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EXPERIENCE

Freddie Mac, Remote — *Agile Developer II*

APRIL 2020 – PRESENT

- Actively maintained full-stack web applications using Agile Methodologies, React, Angular, Spring Boot, RESTful APIs, Jenkins CI/CD, and Java; resulting in a 20% increase in team's Agile burndown rate.
- Drove the design and implementation of features for 3 applications in a collaborative development environment via Git and Bitbucket.
- Spearheaded deployment of 6 cloud-based application microservices across 4 Kubernetes-based development environments in accordance with architecture specifications.
- Took ownership of defining and refining product backlogs by actively participating in backlog grooming sessions and providing technical insights to prioritize features and ensure the backlog aligned with project goals and requirements.
- Led upper management and product owners in resolving conflicts between team members by facilitating discussions, mediating disagreements, and engineered an alternative solution to ensure project success.

University of Mary Washington, Fredericksburg, Va — *Assistant Researcher*

JANUARY 2020 – MAY 2021

- **In Jan '20**, worked to minimize the innate gender bias found in resume-screening **ML** Algorithms using **NLP**. Leveraged novel techniques to process hundreds of Resumes at a time.
- **In Jan '21**, produced a novel ABM simulation to find a reproducible variable that resulted in a polarized mass of Agents. **'Exploring the Impact of Social Network Density and Agent Openness on Societal Polarization',** submitted to CSSSA Conference Journal and **published**.

Naval Surface Warfare Center, Dahlgren, Va — *QA Intern*

MAY 2018 – APRIL 2020

- Executed regression test cases using SQL and Bash scripting to ensure the stability and reliability of software systems, resulting in a 60% reduction in defects.
- Influenced the design and implementation of 2 end-to-end system testing processes, collaborating cross-functionally to teams to ensure software quality and deliver high-quality products to end-users.
- Generated and maintained automated test scripts using Bash, resulting in a 65% increase in test coverage and a 80% reduction in manual testing time.

EDUCATION

University of Mary Washington, Fredericksburg, Va — *B.S. in Computer Science*

AUGUST 2018 – MAY 2021

- 3.9 Cumulative GPA upon graduation.
- Concluded 3 semesters on the Dean's list, while simultaneously serving as the VP of the UMW Investment Club and working multiple jobs concurrently.
- Studied algorithms, data structures, programming languages, computer systems, and software engineering.
- Selected elective coursework in areas such as artificial intelligence, computer graphics, databases, network security, and human-computer interaction.

Scrum Alliance, Remote — *Certified Scrum Master (CSM)*

MARCH 2023 – APRIL 2023

Product School LLC, Remote — *Certified Product Manager (CPM)*

NOVEMBER 2022 – DECEMBER 2022

SKILLS

- Java, JavaScript, Python, Bash Scripting, Solidity, PSQL/SQL
- Product Ownership, Project Planning, and cost estimation experience
- Enterprise-level Relational Database Management Experience
- Up-and-Down-chain leadership abilities, constantly looking for innovation opportunities within the technical stack
- 0-to-1 and 1-to-N Product Development, iterative design and improvement

ACCOLADES

- **While still an intern,** was selected to oversee multiple full-time employees in a branch-wide documentation effort, aimed at eliminating knowledge silos.
- **Received 3** peer-to-peer awards for going above and beyond to serve the company mission in 2022 alone.
- **Won 1st place** in a programming hackathon for team's **Computer-Vision** Library app.
- **Led by example** and took ownership of multiple innovation efforts at Freddie Mac, winning praise from VPs, SVPs, and EVPs for innovative thinking and initiative.
- **Presented $7.5M** idea for innovation within the organization **directly to Freddie Mac's President.**