Jennifer Weir

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EDUCATION

University of Michigan | Ann Arbor, MI   May 2024
- Bachelor of Science in **Computer Science**, Minor in Complex Systems   **GPA: 3.67/4.0**
- **Coursework:** Operating Systems (Current), Human-Centered Software Design (Current), Web Systems, Computer Organization, Data Structures and Algorithms, Foundations of Computer Science, Discrete Math

SKILLS

Coding Languages: C++, Python, Java, HTML/CSS, Javascript/Typescript, React/React Native
Frameworks & Platforms: Selenium, Cucumber, Flask, PostgreSQL, Docker, Postman, Git/GitHub

EXPERIENCE

Instructional Aide @ University of Michigan | Ann Arbor, MI   August 2023 – Present
SI 301 - Models of Social Information Processing
- Lead regular office hours to help students with course materials through explanations and examples
- Assisted students while proctoring quizzes, answering questions on Slack, and grading homework/quizzes

VOID Tech @ University of Michigan | Ann Arbor, MI   September 2021 – Present
VP of Development | Full Stack Developer
- Trained student developers in mobile app development using PostgreSQL, React Native, and Typescript
- Designed and implemented CRUD REST APIs that handle user authentication with password hashing, create and update user accounts in a relational database, and manage product listings in a user's feed
- Tested database designs with a running Docker Desktop container and simulated API calls with Postman

Ford Motor Company | Dearborn, MI   May 2023 – July 2023
Software Engineer Intern | Ford Pro Insure Team Member
- Pioneered the development of an open-source proof of concept for automated insurance testing, leveraging Selenium and Cucumber, to optimize testing procedures and increase test coverage on the Origami Platform
- Authored a whitepaper showcasing proof of concept, encouraging business partners to engage in software testing with Gherkin, leading to faster feedback loops and reduced time-to-market for the insurance product
- Spearheaded the implementation of agile, including Scrum with two-week sprints, and championed test-driven and behavior-driven development practices during Java development of automated test solution
- Configured Origami Risk insurance platform to adhere to business requirements from inception of the tool

Northrop Grumman | Palmdale, CA   June 2022 – August 2022
Systems Test Engineer Intern | NASA Contractor at Armstrong Flight Research Center
- Developed an organizational calendar system in Excel using VBA macros to schedule maintenance and test events for the NASA Global Hawk team, increasing the 30 member team's scheduling efficiency and organization with potential for the tool to be acquired by other Northrop Grumman programs company-wide
- Reconfigured Mission Planning tools by updating VBA code and removing outdated data to optimize the UAV pilot experience, leading to a decrease in pilot error and an increase in UAV pilot satisfaction
- Certified by Jet Propulsion Laboratory to solder electrical/electronic assemblies like circuit boards and wires

PROJECTS

Haberman Fabrics Website | habermanfabrics.com   May 2023 – Present
Scrippt | scrippt.tech   January 2023 – May 2023
- AI-powered platform that automates cover letter creation by utilizing applicants' personal information/skills

EXTRACURRICULARS

Girls in Electrical Engineering and Computer Science | Ann Arbor, MI   September 2021 – Present
Google Computer Science Research Mentorship Program | Virtual   January 2022 – May 2022

INTERESTS

Running, Biking, Swimming, Hot Yoga, Playing the Flute, U of M Football, Reading, Pop Culture, Tech News