MEAGAN WELCH

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JUNIOR FRONTEND DEVELOPER
**Software Development Frameworks | SQL & Rational Databases | Continuous Integration
Software Development| Software Design, Implementation & Testing | Code Management**

Bachelor of Science in Computers Science Graduate and Junior Front-End Developer with an innovative portfolio exhibiting proficiency in modern web development technologies such as HTML, CSS, JavaScript, and ReactJS. Skilled in creating responsive and visually appealing user interfaces. Demonstrated ability to collaborate effectively with cross-functional teams to deliver high quality products that meet client needs and expectations. High-level interpersonal skills with experience working independently and as part of a team. Outstanding technical acumen with a commitment to delivering high-quality software.

Programming Languages:	Python, JavaScript, C, Typescript, SQL, HTML5, CSS
Frameworks:	ReactJS, NodeJS, Express, Turf.js, Tailwind, Flask, Blueprint, MapboxGL JS
Operating System:	MacOS, Linux, Windows
Databases:	MongoDB, MariaDB, PostgreSQL
Version Control:	GitHub, Git
IDE:	Visual Studio, Visual Studio Code, PyCharm, Xcode
Productivity Management:	Asana, GitHub Projects, Jira, Agile, Scrum
Software:	Microsoft Office Suite (Word, Excel, OneDrive, Outlook, Teams), Vite
Design Tools:	PowerBI, Figma, Adobe

- Continuous Integration (CI)
- Continuous Delivery (CD)
- RESTful API
- Microservices Architecture
- Stakeholder Relations/Engagement
- Software Development Life Cycle (SDLC)
- UI Design Principles
- Software Testing
- Analytical Problem Solving
- Workflow Optimization
- Responsive Design
- Object Oriented Programming

EDUCATION & PROFESSIONAL DEVELOPMENT

BACHELOR OF SCIENCE IN COMPUTER SCIENCE Oregon State University, Corvallis, OR 2024
- ➤ *Courses Included*: Network Security | Intro to Networking | Intro to Computer Science I and II: Python Fundamentals | Data Structures: Python | Analysis of Algorithms: Python | Web Development: React, Node JS, MongoDB | Intro to Databases: MariaDB, MySQL, Python/Jinja Operating Systems: C | Software Engineering I: React, Python | Software Engineering II: Testing, GitHub CI/CD | Computer Architecture and Assembly: Assembly Language
- ➤ *Capstone Included:* Industry-led group project with a tech stack that included Vite, Typescript, ReactJS, Mapbox GL JS, Turf.js, and .NET | Collaboration with development team incorporated CI, GitHub Project, Code Reviews | Collaboration with Project Management Team included translating Figma wireframes into functional web pages

BACHELOR OF ARTS IN AGRICULTURE Evergreen State College, Olympia, WA 2017

INDEPENDENT PROJECTS on GITHUB

PERSONAL LIBRARY APP
Tools: Backend: Python, MongoDB, Flask, Blueprint | Front-end: ReactJS
Developed an interactive app allowing users to track books they have read or want to read, integrating GoogleBooks API for enhanced book information and user experience.
- Frontend interface uses ReactJS to create a responsive, modern design. Features include, add, delete, and update for a user's bookshelf, queue, and favorite items.
- Backend connects to a MongoDB Collection for tracking the respective data.
- Deployed to Heroku with a configured pipeline from GitHub.

HOSPITAL DATABASE
Tools: Backend: Python, Flask, Blueprint, PostgreSQL | Front-end: Jinja, CSS
Designed a comprehensive Hospital Scheduling System database with a user-friendly UI to facilitate CRUD operations.
- Developed a landing page allowing easy navigation to respective entities within the database.
- Enable users to create new items and read the content for each entity.
- Implemented Update functionality for five out of seven entities.
- Provided users with the ability to Delete items from each entity.

WORK HISTORY

ULA Data Structures | Oregon State University - Corvallis, OR, 04/2023 – 04/2024
- Conduct weekly office hours to offer guidance on assignments and address logistical inquiries from students, ensuring clarity and understanding.
- Evaluate student submissions using the program's automated grading system, Gradescope, providing constructive feedback and facilitating regrade requests for assignments, midterms, and finals.
- Engage with students on the class public board, EdStem, during designated hours, offering assistance and resolving queries to enhance their learning experience.
- Implement plagiarism checks on assignments using Gradescope's tools, generating detailed reports for professors as needed to maintain academic integrity.
- Utilize platforms such as Gradescope, Canvas, and GitHub to streamline administrative tasks and foster efficient communication channels among professors, fellow ULAs, and students.

WSDA - Quality Assurance Specialist | Olympia, 10/2017 - 04/2023
- Educated employees on specific WSDA QA standards and ensured maintenance of standards.
- Provided regular updates to team leadership on quality metrics by communicating consistency problems or deficiencies.
- Monitored product standards and recorded inspection findings, collaborating with department managers to implement procedural remedies.
- Collaborated with management to provide training on improved processes and assisted with the creation and maintenance of quality training materials.
- Inspected, verified, and documented 100+ characteristics monthly of export goods by comparing them against customer specifications and company quality standards.
- Maintained inspection journals as required.
- Tested and operated equipment to confirm correct calibration while scheduling routine, preventive, and reparative maintenance.