Fiona Wee

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https://github.com/fwee1996

JUNIOR FULL STACK SOFTWARE DEVELOPER

PERSONAL PROFILE

As a recent graduate of NewForce's full stack development program with a degree in Physics, I've honed my problem-solving abilities and passion for optimizing processes. From crafting dynamic websites to simplifying everyday tasks, I thrive on using technology to innovate and streamline. My drive for collaborative learning fuels my eagerness to become part of a vibrant development team, where I can bring my coding experience and STEM background to create impactful solutions. With a focus on enhancing user experiences and driving operational efficiency, I am dedicated to making a meaningful impact in the world of technology.

PROJECTS

Fur-Ever-Home

Developed a web application designed to address the issue of pet abandonment by connecting pet owners who can no longer care for their pets with potential adopters. The platform allows pet owners to create, edit, and delete entries for their pets, providing detailed information on breed, age, behavior, and medical conditions. Prospective adopters can browse these entries, obtain more information, and contact the owners directly to initiate the adoption process. This project aims to reduce the number of abandoned pets and alleviate overcrowded animal shelters by offering an alternative solution for rehoming pets.

https://github.com/fwee1996/Fur-Ever-Home

EDUCATION

NEWFORCE, APRIL 2024 -PRESENT
Software Development Training Program
In Partnership with MountwestCTC

BS PHYSICS, 2021
State University of New York Oswego

TECHNICAL EXPERIENCE

Junior Full Stack Developer

NewForce *Aug 2023-Present*

Intensive full-time 6-month software development immersive training program focusing on full stack (C#/.NET) development fundamentals and problem solving. The final half of the program is executed in a simulated company environment with Scrum methodology.

- Applied object-oriented programming fundamentals through team-based projects that reflect real world business problems
- Collaborated remotely on projects using Slack and Zoom
- Managed source code version control with Git/ GitHub
- Applied JavaScript, HTML, and CSS fundamentals to build a feature-rich social media dashboard
- Leveraged native ES6 module bundling to build DRY, reusable components
- Designed and built single-page applications with React using Hooks
- Designed applications through white boarding dependencies and building ERD's
- Built and interacted with databases using SQL and ADO.NET
- Developed a blog management platform in ASP.NET, MVC, and Razor templates in Visual Studio 2019
- Created RESTful Web API with C#/ .NET Core and connected it to a React front-end
- Built and maintained integration tests in .NET Core

WORK EXPERIENCE

Personal Assistant

Own Your Focus *Spring 2023- Present*

- Executed a wide range of administrative tasks and personal errands
- Managed calendars, promptly handled calls and emails, and coordinated mail and package logistics.
- Demonstrated a commitment to discretion and confidentiality by responsibly managing sensitive information.
- Conducted precise data entry, maintained organized filing systems, and ensured accurate record-keeping.

Lab Tech

AVN *Jan 2024- April 2024*

- Conducted comprehensive analysis on brine and amine samples.
- Contributed in the development and implementation of innovative methodologies, including acid number determination and novel titration analyses.
- Maintained inventory and upheld laboratory cleanliness, strictly adhering to safety protocols for handling hazardous chemicals.
- Streamlined laboratory operations by preparing test setups, calibrating equipment like pH meters, and documenting procedures for ongoing improvement.

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WORK EXPERIENCE CONTINUED

Physics Lab Researcher (Lasers and Optics)

SUNY Oswego *Summer 2021 – Spring 2022*

- Designed, planned and executed experiments involving a variety of optical equipment to perform a complex study of the excitation of Rubidium isotopes.
- Documented work concisely and accurately through lab reports and presentations for publishing and record keeping.
- Effectively communicated with lab partners, faculty, and individuals from diverse backgrounds, while also aiding in training and recruiting new research students.
- Presented research at the RISE 2021 Summer Symposium, Quest 2022 Symposium, and 47th Annual Fall Scientific Paper Session at Nazareth College, Rochester.

Chemistry Lab Researcher (Scott's Test)

SUNY Oswego *Fall 2020 – Spring 2022*

- Contributed to the research of the Scott's Test (test for cocaine) in identification of false positives when testing for the presence of cocaine.
- Conducted experiments with the use of filtration and mixing techniques, oil extraction technique using rotary evaporator and spectroscopic analysis.
- Detected problems with the test and identified improvements for the specificity of the Scott's test so that the issue of false positives can be overcome.
- Presented research at the 47th Annual Fall Scientific Paper Session at Nazareth College, Rochester.