Andrew Thompson

https://andyresu.github.io

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Summary

Looking for a position to grow as a developer and professional. My favorite part of work is using new tools and technologies to solve unsolved problems.

Qualifications

- Proficiency in Javascript, Java and using Docker, Kubernetes, AWS, and Maven
- Extensive use of tools like: Postman, Git, GitLab pipelines, VScode, SQL, and more
- Scrum Master and Developer for my Senior Capstone Project with Northwestern Mutual (in React)

Experience

MAY 2020 - PRESENT

Northwestern Mutual - *Associate Test Automation Engineer*

I was the test lead on a variety of system types including, mainframe systems, APIs, and websites. This included building with onshore and offshore counterparts from the ground up an automation test repository for API testing using an in-house test automation suite written in Javascript. The test suite was a Docker image that could be embedded into CICD pipelines as needed to test downstream systems.
Keywords: automation testing, devops, javascript

MAY 2018 - MAY 2020

University of Wisconsin - Milwaukee - *Lab Researcher*

Programmed an optically-based hand-held pathogen sensor from prototype to product. This includes publishing papers on the sensor and related works. I presented my group's research to the Governor of Wisconsin, multiple conferences, and international partners.
Keywords: big data, sensor, image processing, full-stack

Education

JANUARY 2017 - MAY 2020 (Graduated)

University of Wisconsin – Milwaukee – *Computer Science*

SEPTEMBER 2013 - APRIL 2015

Milwaukee School of Engineering – *Software Engineering*

Skills

Programming

- Additional experience in Java, C++, R, Python, Lua, Basic, SML-NJ, Scala, MIPS assembly, JCL, and others
- I tutored Java, R, and calculus, and taught basic image recognition in Python to a group of young women through Girls Who Code at UWM

Software Process

Currently using and experienced in Agile development, Scrum, and have done Test Driven Development as a part of Continuous Integration and Continuous Deployment (CICD).

Projects

JANUARY 2020 - MAY 2020

Northwestern Mutual (NWM): Goalbook

As a Senior Capstone Project under the talented direction of James "Jay" Walters, a Senior Director in Enterprise Quality at NWM, and his group, I am one of eight students programming and testing an application for use at NWM. This application allows a client to create, plan, and view their progress towards reaching their financial goals. As a part of this project, not only was I our Scrum Master, I developed and tested the backend functionality and database operations following Agile, Scrum, and Test Driven Development software design practices to ensure CICD. I have learned to use many of the services used at NWM to develop software, including, but not limited to, Docker, Kubernetes, React, NodeJS, Amazon Web Services, Maven, H2, GitLab, and many more.

JANUARY 2019 - MAY 2019

Class Scheduling Program

As a class project for CS 361: Software Design, myself and five others followed Agile, Scrum, and Test Driven Development practices to create a web application that allows administrators to plan and assign classes, times, and locations for professors, teaching assistants, and students. We used a combination of React with Javascript, Django with Python, and sprint management through Kanban to develop the software.

Award Winning Research

Water Council Member Meeting @ Evoqua, Waukesha, WI, December 12th, 2019. **Future Water Leaders Fund Award.**

11th UWM Undergraduate Research Symposium, Milwaukee, WI, April 5, 2019. Oral Presentation. **Ribbon recipient for Outstanding Presentation.**

11th CEAS Poster Competition. Milwaukee, WI, April 27, 2019. Oral Presentation. **2nd Place Undergraduate Category and Mike Krauski Award Nominee.**