

# Andrew Thompson

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<https://andyresu.github.io>

## Summary

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

## Qualifications

- Proficiency in Java, C++, R, Javascript, Python, and using Docker, Kubernetes, AWS, and Maven
- Senior status at the University of Wisconsin - Milwaukee (UWM)
- Produced and Programmed an Optically-Based Hand-Held Pathogen Sensor

## Education

JANUARY 2017 - PRESENT (GRADUATION: MAY 2020)

**University of Wisconsin - Milwaukee** - *Computer Science*

SEPTEMBER 2013 - APRIL 2015

**Milwaukee School of Engineering** - *Software Engineering*

## Skills

### Programming

- Additional experience in Lua, Basic, SML-NJ, Scala, MIPS assembly, and others
- I tutor Java, R, Calculus, and volunteer through Girls Who Code at UWM

### Software Process

Currently using and experienced in Agile development, Scrum, and have done Test Driven Development.

## Experience

MAY 2018 - PRESENT

**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

## Award Winning Research

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

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

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