

# BENJAMIN HAWTHORNE

Software Engineer

Software design and engineering professional with proficiency in a variety of platforms, languages and embedded systems. I am driven by the ability to push an organization forward through technology and innovation.

## CONTACT DETAILS

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<https://hawthorne.life>

## SKILLS & HIGHLIGHTS

Software Design



Object Oriented

Design Patterns

Java



Microsoft Suite

C/C++



Technical Writing/  
Documentation

HTML/CSS



PHP  
PostgreSQL



UML



.NET



Python



JavaScript



LaTeX



## EDUCATION

**George Fox University** - Aug 2016 - December 2018

B.S. in Computer Science

3.9 GPA

**Front Range Community College** - Aug 2013 - May 2016

Associate of Science (A.S)

## PROFESSIONAL EXPERIENCE

### Mathnasium

Math Instructor - Aug 2017 - Present

- Teaching mathematical skills ranging from 2<sup>nd</sup> grade math to calculus
- Ensures student engagement through active encouragement, motivation, and instructional design
- Uses math expertise to develop strong curriculum using Mathnasium tutoring materials
- Documents student performance and progress through detailed reports

### George Fox University Engineering Department

Microprocessor Architecture Grading - Aug 2018 - Present

- Trusted with evaluating and grading student work
- Content ranging from quizzes, lab work, and programs written in AVR Assembly and C

### MarkWest Energy Partners

Applications Development Intern - May 2017 - Aug 2017

- Managed full stack web development and database administration
- Led one round of enhancements on in-house accounting web app
- Assisted with waterfall software development cycle
- Developed technical writing and documentation skills writing about proprietary design patterns
- Worked closely with senior engineers to understand platform changes and prioritize product testing
- Identified and solved problems through analytical review

### Meliora Scientific Inc.

Software Development Intern - Jun 2016 - Aug 2016

- Designed graphic user interface for a commercial film coating device
- Wrote in C++ with Qt framework
- Used MongoDB for full stack development on the backend
- Performed debugging and troubleshooting when needed
- Collected reported bug data for gap analysis
- Helped to improve developer testing processes

## ADDITIONAL ACTIVITIES

ACM International Collegiate Programming Competition  
November 2017

- Won Division I site championship for the ACM ICPC.