

MICHAEL COUGHLIN

Minneapolis, MN • hiimmichael.com • [GitHub](https://github.com) • contact@hiimmichael.com

Work Experience

Graco Inc

Software Engineer

July 2017 - Current



- Graco specializes in efficient and scalable fluid handling solutions, such as the [Pulse Pro](#) fluid management system - enabling companies to accurately track and control fluid consumption
- Designed and implemented new and innovative [IoT products](#) distributed worldwide
- Developed, deployed, and maintained elastic cloud services to support apps
- Managed, developed, and shipped native C# mobile apps such as [Graco Auto-Lube](#)
- Built Yocto Linux distributions for embedded hardware and IoT products
- Created automated validations and smoke tests using Python to ensure deployed product resources were always valid
- Worked with customers to validate features against real-world user populations

Stryker Corporation

Software Developer Internship

April 2017 to June 2017



- Maintained and enhanced the organizational structure of [HealthEMS Fire](#), a comprehensive record management system
- Utilized Java to uphold a broad base of innovative medical products and services to offer solutions with enduring value

Ascena Retail Group

Software Developer Internship

April 2016 to August 2016



- Assisted in the design and development of e-commerce web-solutions for a leading national specialty retailer
- Designed product experiences using wireframes, prototypes, and user flow diagramming

Leadership Experience

University of Minnesota – Kathryn A. Martin Library

Computer Science Tutor

September 2015 – May 2017

- Selected by the university to tutor students on an individual basis in order to reinforce various computer science concepts
- Taught how to write computer programs and algorithms using various programming languages

University of Minnesota – Housing & Residential Life

Residential Advisor

September 2014 – May 2015

- Promoted community development through planned and impromptu opportunities for interactions among residents
- Assisted students who may be experiencing problems with adjustment to college, academics, or personal problems

Education

Bachelor of Computer Science
University of Minnesota – Duluth



Study Abroad, Exchange in England
University of Birmingham



Languages and Competencies

- Backend: Python, C#, Java, C++, SQL, MVC
- Frontend: HTML5, CSS3, JavaScript, Sass, React
- DevOps: GitHub, Jira, AWS, S3, EC2, IAM, Lambda, CloudFront, API Gateway, Route 53, .NET