MICHAEL COUGHLIN

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Work Experience

Graco Inc   July 2017 - Current
Software Engineer

- 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 React web apps such as the Pulse Level tank level monitoring solution
- Managed, developed, and shipped native C# mobile apps such as Graco Auto-Lube
- Built Yocto Linux distributions for embedded hardware and cloud-connected 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   April 2017 to June 2017
Software Developer Internship

- 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   April 2016 to August 2016
Software Developer Internship

- 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   September 2015 – May 2017
Computer Science Tutor

- 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   September 2014 – May 2015
Residential Advisor

- 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, Node.js, Blockchain
- Frontend: HTML5, CSS3, JavaScript, Sass, React
- DevOps: GitHub, Jira, Amplify, S3, EC2, IAM, Lambda, CloudFront, API Gateway, Route 53, .NET