Matthew O'Brien
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Essex, MA 01929

Software Engineer
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Skills

C# (.NET), Git, HTML, CSS, JavaScript, Redis, RabbitMQ, XML, YAML, AJAX, PowerShell, Java, Python, C++, TestRails, Agile, Microservices, Test Planning, CodedUI, MatLab, Linux, MS SQL, winDBG

Experience

Symbotic Wilmington, MA

Software Engineer - Automated Test Framework Team August 2019 - Present

- Wrote complex automated full stack tests to improve testing coverage
- Created various usability enhancements to improve user experience on web portal
- Managed testing release software on continuous integration pipeline
- Debugged integration-level system errors for various software teams

Embedded Software Quality Assurance Engineer May 2018 - July 2019

- Acted as the link between SQA and my Software Development team
- Developed product ready code in C# geared towards optimizing system performance
- Researched, evaluated, and integrated with new technologies alongside development group
- Created and executed functional test plan for 2.0 software deployment

Software Engineering Co-op Jan 2016 - Aug 2016, Jan 2017 - Aug 2017

- Refactored overly complex outdated codebase to meet SOLID principles and improve scalability
- Analyzed system performance and proposed solutions to minimize system shortcomings

Copley Motion Controls (A Division of Analogic) Jan 2015 - July 2015, Canton, MA

Computer Engineering Co-op

- Collaborated with other engineers to utilize feedback loops and filters for enhanced control of motors
- Designed, built, and verified the functionality of a test interconnect circuit board for manufacturing

Education

Endicott College / Seeking MBA in General Management Jan 2020 - Present

Relevant Coursework: Managing Information Technologies, Managing Innovation and Organizational Change

Northeastern University / B.S. in Computer Engineering Sep 2013 - May 2018

3.23 GPA

Relevant Coursework: Object Oriented Design, Data Visualization, Robotics, Embedded Design Enabling Robotics, Computer Networks, Software Security

Capstone Project: SAVI - The Smartphone Assistant for the Visually Impaired (https://tinyurl.com/y2qw3rbc**)**

- Worked in a team with 5 other engineers to design and prototype a device while following strict deadlines
- Utilized an Arduino with demuxs and H-Bridges to drive a matrix of micromotors to create braille display
- Braille display interfaced with Android Smartphones via either micro-usb cable or Bluetooth technology