

Brandon Ochia

Software Engineer II

Minneapolis, MN, 55443
+1 763 257 3833
ochia@wisc.edu
www.brandonochia.com

Work Experience

Cybertrol Engineering

January 2019 – Present, Plymouth, MN

Software Engineer II

- Build custom full-Stack websites using ASP.NET MVC and RESTful Web APIs that enabled clients to create, configure, and manage industrial automation entities.
- Develop back-end windows services while following DRY & SOLID principles to ensure clean and maintainable code.
- Build SSRS reports via SQL queries to display manufacturing process data, allowing clients to make process optimizing decisions.
- Build HMIs via WinForms for medical manufacturing - allowing for more efficient and simplistic processes for operators.

Lexx Technologies

Summer 2018, Melbourne, Australia (Start-up)

Software Development Intern

- Automated extraction & cleaning of data from PDFs via python scripting. Extracted data fed to machine learning data pipeline.
- Leveraged AWS EC2 Ubuntu instances to run PDF data extraction scripts.

Projects

PDF Splitter

- Built a full-stack web app that allows users to split PDFs in various ways.
- Learned how to handle file storage in a scalable manner.

Body Composition Tracker

- Built a full-stack web app for tracking body weight and body fat percentage over time.
- Utilizes AJAX calls to RESTful web APIs and demonstrates full CRUD functionality.
- Gained experience with JavaScript libraries like Plotly.js, DataTables, and Bootbox.js.

Skills

.NET (C#, ASP.NET MVC, WinForms)
3 Years

JavaScript (jQuery)
3 Years

HTML5/CSS3
3 years

SQL (MS SQL)
3 Years

Entity Framework (EF6, EF Core 3)
3 years

Unit Testing (MSTest, Moq)
3 Years

Version Control (Git, TFS)
3 Years

AWS
0.5 Years

Education

University of Wisconsin – Madison
B.S. in Mechanical Engineering
September 2014 – December 2018
GPA 3.73

Relevant Courses:

Data Structures (Java II)

Intro to Robotics (Python)