

Austin M. Vecchio

SOFTWARE ENGINEER · ROBOTICS ENTHUSIAST

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Education

Kettering University

B.S. IN COMPUTER SCIENCE & B.S. IN BIOINFORMATICS

- Minored in Computer Engineering
- Notable Coursework: Artificial Intelligence, Computer Architecture

Flint, Michigan

Oct. 2012 - June. 2017

Coursera

CERTIFICATE OF COMPLETION FOR MACHINE LEARNING

Online

March. 2018 - June. 2018

Experience

Kunz Leigh & Associates

FULL STACK DEVELOPER

- Inspectors within the Michigan Department of Agriculture operated on both an Access database and a paper process to conduct inspections, enforce regulations, and issue fines. Kunz Leigh was contracted to digitize and streamline the inspection process within MDARD through a web application for administrators and a mobile application for inspectors.
- The Public Utilities Commission of Ohio requested a rewrite of a Microsoft Access application using a modern web framework. The resulting software suite consisted of an angular application with a C# api and a field application written in XAML for the railroad inspectors. The suite manages all information related to railroad crossings, inspections, and enforcements.
- Developed the Railroad Information System (RRIS) using C#, Microsoft SQL and Angular. The Railroad Information System is both a web application for administrative work for the Public Utilities Commission of Ohio.

Okemos, Michigan

June. 2017 - Present

HelloWorld

SOFTWARE ENGINEER COOP

- Prototyped an application to augment manual user interface testing for the internal Quality Assurance team as part of the Kettering Thesis.
- Built backend systems for customer engagement and loyalty platforms for clients such as Kraft, Keurig and Mondelez.
- Performed data acquisition and reporting using Pentaho and MySQL.

Southfield, Michigan

Jan. 2015 - March 2017

The MITRE Corp

SOFTWARE ENGINEER COOP

- Enhanced a baseline of D3JS for an internal suite of corporate management tools.
- Constructed an application to demonstrate the usage of a vendor security suite surrounding the DCGS Integrated Backbone to a government agency.
- Assembled a web interface for geospatial command line tools to create a friendly user experience for analysts.

Tampa, Florida

June 2012 - Sep. 2014

Skills

Scripting Python, C#, Typescript, Java, Perl, Ruby, ~~TeX~~, C, Bash, Go

Frameworks Spades, .Net Core, Rails, Angular 7+, Jasmine, D3js, Material Design

Tools Git, Docker, Jenkins, Datagrip, Visual Studio, Vim, Vagrant, Mercurial

Data Storage Firestore, MySQL, MongoDB, Redis, Microsoft SQL

Services Azure, Firebase

Administrative Agile Methodologies

Extracurricular Activity

FIRST Robotics

FIRST TECHNICAL ADVISOR, CONTROL SYSTEMS ADVISOR, ROBOT INSPECTOR

- Coordinate and communicate with all key volunteers on all relevant aspects of the event.
- Assist teams with technical issues on-field.
- Be aware of problems that arise and be ready to take steps to quickly diagnose and correct.

Michigan, New Hampshire

Jan. 2015 - PRESENT