

# Austin M. Vecchio

SOFTWARE ENGINEER · ROBOTICS ENTHUSIAST

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## Education

### Kettering University

Flint, Michigan

B.S. IN COMPUTER SCIENCE

Oct. 2012 - Jun. 2017

- Minored in Computer Engineering and Bioinformatics
- Notable Coursework: Artificial Intelligence, Computer Architecture, Organic Chemistry

## Skills

<b>Scripting</b>	C/C++, Java, Python, Ruby, Perl, $\text{\LaTeX}$ , Coffeescript/Javascript, Labview, Assembly
<b>Frameworks</b>	Rails, ReactJS, Angular, Selenium, Gulp, D3js, Nodejs, Fog, Flask, Sinatra, Jruby
<b>Tools</b>	Git, OpenCV, Vim, Vagrant, Mercurial, Chef, Puppet, GCC, Wireshark, Nmap
<b>Data Storage</b>	MySQL, MongoDB, Redis
<b>Hardware</b>	Raspberry Pi, Arduino
<b>Practices</b>	Agile Engineering (SCRUM)

## Experience

### Nova Computing

Southfield, Michigan

SOFTWARE ENGINEER

November. 2016 - PRESENT

- Engineered a full stack web application in Ruby on Rails to serve remote VNC sessions.
- Designed the architecture for deployment and maintenance of new systems.
- Consulted on best practices for software development in a startup environment.

### HelloWorld

Southfield, Michigan

SOFTWARE ENGINEER COOP

Jan. 2015 - March 2017

- Developed a framework to augment ui testing for the Quality Assurance team as part of the Kettering Thesis leveraging Ruby on Rails and Selenium.
- Acted as the primary software engineer building custom solutions for production projects.
- Performed data extraction and analytics for client reporting.

### The MITRE Corp

Tampa, Florida

SOFTWARE ENGINEER COOP

June 2012 - Sep. 2014

- Enhanced a baseline of D3JS mediawiki extensions for an internal suite of corporate management tools.
- Built a micro web application to manage collected analyst artifacts as part of a suite of tools using Java servlets.
- Constructed a sample web application to demonstrate the capabilities of a vendor security suite.
- Assembled a Ruby on Rails application to interface with command line tools for geospatial analysts.

## Extracurricular Activity

### FIRST Robotics

Michigan Districts

FIRST TECHNICAL ADVISOR ASSISTANT, CONTROL SYSTEMS ADVISOR, ROBOT INSPECTOR, & MENTOR

Jan. 2015 - PRESENT

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- Ensure that all robots inspected follow all safety guidelines and game rules.
- Assist teams in troubleshooting electrical, hardware or software issues.

### Beta Theta Pi

Oxford, Ohio/Flint, Michigan

ACTIVE MEMBER

Jun. 2014 - PRESENT

- Conventions Attended: 2014-2017
- Brotherhood committee: Assisted in conflict resolution and organized brotherhood events.

### Pledge of the Computing Profession

Kettering University

ACTIVE MEMBER

Dec. 2015 - PRESENT