

# Ryan Michal

586-295-4635

myanrichal@gmail.com

github.com/myanrichal

## Work History

### **CQL Inc - Software Development**

Grand Rapids Michigan

May 2017 - Current

- Long-Term Internship working together for over two years.
- Full stack development; building full web application from the ground up
- Experience in a wide range of technologies (reactJS, goLang, dotnet, SQL, kotlin, git, bash, and plenty more)
- Developed boilerplate android application for authentication.
- Worked directly with business clients in support development to build new features on existing applications.
- Allowed the freedom to engineer my own solutions to client desires.

### **Motor City Electric - Electrical Engineering Intern**

Detroit Michigan

May 2015 - August 2016

- Designed new Detroit infrastructure using AutoCAD and ArcGIS.
- Routed hvac and electrical systems in construction projects.
- Created and maintained geodatabases in ArcGIS.

## Projects

### **Automated Tarp Door System with Android Application**

- Contracted by Tarpstop to automate the rear door of a large tarp-covered flatbed trailer system.
- Developed and designed an embedded system to instruct mechanical operations.
- Created an Android application to communicate directives to the control mechanism.

### **Published Website, Author's Portfolio, Stephen C. Rowe**

- Worked with client to identify objectives and outline goals.
- Developed portfolio and blog website for professor/author.
- Implemented Hugo static site generator as site infrastructure.
- Designed frontend that met the clients need for authenticity and professionalism.

## Skills

### **Programming Languages (Adept)**

C, Golang, Git, ReactJS, SLQ

### **Programming Languages (Familiar)**

React Native, AngularJS, Vue, Css/Sass, C++, C# (Dotnet), Kotlin, Java, Python

### **Course Work**

- Algorithms and Data Structures
- Computer Architecture
- FPGA (Verilog)
- Embedded Systems
- OS (Linux Kernel)
- Data Communications
- Multi-Threading
- Calculus
- Language Analytics
- Business Ethics

## Education

### **Grand Valley State University**

3.02 Gpa

Bachelors of Science: **Computer Engineering**

Bachelors of Arts: **Philosophy**

## Activites

### **GVSU Rock Climbing Club**

- President of non-profit organization and collegiate club sport.
- Organized and fundraised local events.
- Taught formal top-level system techniques.
- Guided outdoor adventures across the country.

### **Philosophy Club**

- Debated & studied ideas on weekly topics
- Organized undergraduate philosophy conference.