

Justin Good

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[Jgoodhcg.github.io](https://jgoodhcg.github.io)

Experiences

Grand Valley State University, Allendale MI, 2012 - 2015
Bachelor of Science in Computer Science with a Minor in Anthropology

City of Wyoming 05/13/2015 - 11/13/2015
Intern and lead developer of a data entry and reporting tool used by the Public Works department.

Projects

PW3K

Data entry and reporting responsive web application for the City of Wyoming's Public Works department.
Main application developer. Researched platform options and built from scratch using PHP, Microsoft SQL server 2008, Javascript, HTML, CSS, JQuery.

As the main developer I was a part of the entire design and implementation process, including:

- Periodically meeting with the application's end users to establish requirements, report progress, and facilitate quality testing.
- Rapidly prototyping designs in vector editing software then implementing them with custom images and configurable color schemes.
- Developing and documenting thousands of lines of code as well as development environment setups.
- Creating an application that runs asynchronously between three machines.
- Training users and other developers on the software including how to maintain and advance it.

Mutually Human Access App

Capstone application created by a team of four for iOS platform. Created for Mutually Human's child company GR Makers. The app was for end users to log into their accounts, access relevant information for their subscription to the Maker space, and be able to access the space via a BLE enabled door lock.

Aside from project responsibilities:

- meeting with sponsors
- coordinating tasks with the development group
- writing reports for academic credit

My main priority was the BLE door functionality. This task included writing objective-c client code to detect services and subscribe to a particular characteristic. As well as write Javascript server code to run in Node and validate user credentials.

Skills:

(in order of familiarity)

Front End
Javascript
Jquery
WebGL
HTML
CSS
SASS/SCSS

Backend
PHP
SQL
ODBC
Python

Other Languages
C, C++
Objective C
Java

Misc
OpenGL
WebGL
Canvas
Bash
Git
SVG
D3

Hobbies

Aquaponics - long term goal to run a local aquaponics farm.
Data Tracking - exercising logs, time management logs, academic analysis
Illustration - mostly digital character drawings with some icon and logo projects