

Michael J. West

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SUMMARY

Computer Engineering graduate from the University of Pittsburgh with experience in web development, database programming, embedded software, and circuit design. Passionate about all types of technology, and specifically interested in exploring software development.

EXPERIENCE

Federated Investors

Pittsburgh, PA

Intern – served as a primary or secondary developer on all projects and tasks

2017-2018

Client Applications Team

- Made changes to MVC applications using C#
- Used Bootstrap and Knockout libraries to create a prototype for web application, which was ultimately chosen as the design for the project

Systems Integration Team

- Developed a proof of concept and presentation for The OpenAPI specification for use on production applications
- Developed and tested PL/SQL programs and DOS batch scripts to implement changes in production databases
- Scheduled jobs to run on production servers at appropriate times
- Created VBA macros to autonomously complete financial reports

University of Pittsburgh, Department of Rehabilitation Sciences

Pittsburgh, PA

Research Assistant – Consulted on computer science and programming

Summer, 2016

- Refactored Matlab scripts as Java programs

PROJECTS

Bark Buddy

Senior Design

Designed and manufactured a module to detect dog barks and provide training feedback

- Led a team of three to design and manufacture a sound classification module using an I²S microphone, SAMD21 Mini breakout board, and custom PCB
- Tested and developed the sound classification algorithm for the module

Arduboy

Junior Design

Created an implementation of the open-sourced Arduboy project

- Designed a module to provide serial input from an accelerometer to the Arduboy

EDUCATION

University of Pittsburgh, Swanson School of Engineering

Pittsburgh, PA

Bachelor of Science in Engineering

December, 2018

- Major - Computer Engineering
- Minor - Industrial Engineering

SKILLS & STRENGTHS

- Object Oriented Programming – Java, C#
- Database Programming – SQL, PL/SQL
- ASP.NET Framework
- Front-End Frameworks – Angular, Knockout, Bootstrap
- API documentation – OpenAPI Specification (Swagger)
- Unit Testing – JUnit, MiniTest
- AGILE development process

