Kyle Musco
Computer Engineer

✉ kmusco@ycp.edu
☎ 610-787-0426
⌨ github.com/kylemusco
in linkedin.com/in/kylemusco

EXPERIENCE

Full Stack Developer
Moena LLC, 2015 - Present

- Developed enterprise web/mobile applications for businesses and entrepreneurs
- UI/UX design and full stack development
- Managed team of student interns for app development
- Hosted applications through Amazon Web Services
- Awarded $20,000 in prototype development grants and competition prizes for hardware start up
- Awarded provisional patent

Data Acquisition and Analytics Internship
Commonwealth of Pennsylvania, 2016 - 2017

- Tasked with creating auditing tool to verify department websites complied with Governor Wolf's Open Data policy
- Developed web application to scrape Commonwealth websites for user specified file types
- Responsible for drafting project proposals and budgets

Software Engineering Internship
KioWare 2015 - 2016

- Developed point of sales system using .NET / MySQL
- Integrated card readers, scanners, money dispensers and other hardware with kiosk software using Java and C#
- Developed settings importer to convert XML configuration files to JSON for new version of KioWare

Software Engineering Internship
Johnson Controls 2015 - 2016

- Created python scripts to test user interface of industrial chiller units

SKILLS

Languages
Java, C, C++, C#, Javascript, HTML, CSS, Verilog, SQL

Frameworks
.NET, Node JS, Express, React Native, Angular, jQuery

Cloud Platforms
Amazon Web Services, Azure, Google Cloud, Heroku

Graphic Design
Illustrator, InVision

PROJECTS

Stentoro
Initial product for Moena

- Networking device that allows businesses to generate revenue through their WiFi by adding customizable banners to websites customers visit
- Developed algorithm to intercept and modify HTTP traffic with low latency

Y-Fi
Free public WiFi for York City

- Awarded $6000 grant to build WiFi network
- Created a mesh network using multiple business' internet connections
- Network administrator for 250+ daily users

YCP Hacks 2016
Organized York College's First Hackathon

- Fundraised $25,000 from corporate sponsors
- Designed website (2016.ycphacks.io)
- Responsible for promotions, venue, food, volunteers, hardware and mentors

Goode Elementary Greenhouse
Automated Greenhouse - Senior Capstone Project

- Developed web application to control and monitor greenhouse
- Developed RESTful API for greenhouse devices to post sensor data and receive automation commands
- Integrated Twilio for real time text alerts

Shuttle Tracking System
Embedded Systems Class Project

- Developed GPS tracking device to monitor location of college's shuttles
- Implemented passive WiFi tracking to estimate number of people on the shuttles
- Created web application to display shuttles in real time using Google Maps API

EDUCATION

Computer Engineering
York College of Pennsylvania - May 2017