

# Andrew G. Vetovitz

Columbus OH 43210 | 440.567.9572 | AndrewVetovitz@gmail.com | <https://andrewvetovitz.github.io/>

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## EDUCATION

### The Ohio State University

B.S. Computer Science and Engineering

Columbus, OH

December 2018

GPA: 3.560

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## EMPLOYMENT

### Web Application Developer, Intern The Scotts Miracle-Gro Company

Marysville, OH

Summer 2017

- Improved manufacturing accountability by digitizing product quality collection
- Developed backend for shipping yard control process for recording trailer shipments
- Attended weekly meetings to standardize projects and collect business requirements
- Reduced quality inspection times by minimum 1 hour at each production plant

### Software Developer, Contractor IFAADev

Cleveland, OH

OurParking.space.com <https://ourparking.space>

May 2017 – Present

- Digitized parking application to be used over web based devices
- Worked with business to collect and implement project requirements
- Created Admin Portal to quickly adjust user permissions, price, and locations
- Secured user payment system through user login and Stripes framework

### Resident Advisor The Ohio State University

Columbus, OH

August 2017 – Present

- Ensured the safety and wellbeing of 39 residences
- Planned monthly programs and community building events
- Mediated conflicts among floor and building residence

### Computer Science Teaching Assistant The Ohio State University

Columbus, OH

January 2017 – Present

- Guided students by reviewing programming assignments and homework's
- Aided students in Software development (Java), Data Structures and Algorithms (C++), and Computer Systems (C)
- Held weekly office hours and monitored discussion boards for a total of 120 students

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## PROJECTS

### QuadTree Imaging

November – December 2016

- Coded 2-D graphic art application by recursively subdividing high detail regions of an image into smaller quadrants while low detail regions remain as solid-colors
- Solved region detail detection problem by examining weighted color average and luminance
- Designed software GUI including menu features and customizable image options

### Emoji Hunter Hack OHI/O

November 2016

- Developed an Android image finder game as a team of 4 members
- Remodeled the event handler to update Canvas on-screen bitmap
- Simplified and reduced code size using Object Oriented Programming technique

### Advanced Energy Vehicle

January – May 2016

- Designed and tested an Arduino Uno powered vehicle to achieve high efficiency output
- Utilized C++ and Arduino IDE to code the hardware
- Delegated tasks to the 4 team members and resolved project conflicts among the team

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## SKILLS

Programming Languages:

Java | C++ | JavaScript | Python

Frameworks / Libraries:

Angular 4 | Google App Engine | Express.js | MongoDB

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## LEADERSHIP & ACTIVITIES

### Adviser of Jones Tower Activity Board Past President, Past treasurer

2014 – present

- Coordinated events and allocated approximately \$8,000 in funds for over 500 residents
- Headed weekly meeting and organized events to build community and diversity