

# Andrew G. Vetovitz

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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

May 2017 – August 2017

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

### Software Developer, Remote contractor IFAADev

Cleveland, OH

May 2017 – Present

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

- Digitized parking application to be used over web based devices
- Secured user payment system through JSON Web Tokens and Stripes payment framework
- Implemented CRON system to text users before their parking space expires
- Created Admin Portal to quickly adjust user permissions, price, and parking locations
- Worked with business to collect and implement project requirements

### Resident Advisor The Ohio State University

Columbus, OH

August 2017 – Present

- Ensuring the safety and wellbeing of 39 residences
- Planning monthly programs and community building events
- Mediating conflicts among floor and building residence
- Informing residence about campus updates and university resources

### Computer Science Teaching Assistant The Ohio State University

Columbus, OH

January 2017 – Present

- Automated project grading by writing shell scripts
- Aided students in Software development (Java), Data Structures and Algorithms (C++), and Computer Systems (C)
- Holding weekly office hours and monitoring discussion boards for a total of 110 students
- Guiding students by reviewing programming assignments and homework

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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 part of 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

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## SKILLS

Programming Languages:

Java | C++ | JavaScript | Python

Frameworks / Libraries:

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

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## LEADERSHIP & ACTIVITIES

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

2014 – present

- Coordinated events and allocated approximately \$8,000 in funds for 500 residents
- Acting as a liaison between the hall council and Resident Advisor staff
- Headed weekly meeting and organized events to build community and diversity