

# Devan Kavalchek

**Email:** [devan.kavalchek@gmail.com](mailto:devan.kavalchek@gmail.com)

**Phone:** (440)-773-7269

**Website:** <https://kavalchek.dev>

**Github:** <https://github.com/devanturtle7>

## Highlighted Projects

### Corner Clerk - iOS/Android App

- **ClayHack 2020 Winner: Best Project Design**
- Developed as an iOS and Android Application
- Architected with Flutter and Firebase
- Developed to make grocery shopping much more convenient for college students

### Genetic Algorithm - Machine Learning Program

- A machine learning algorithm based on evolution, nature, and survival of the fittest
- Developed with Python and utilizes test driven development
- Built to teach myself more about machine learning

### Firefly - iOS/Android App

- Developed as an iOS and Android Application
- Architected with Flutter and the Philips Hue API
- Allows users to control smart lights with their smartphone

## Experiences

### ClayHack, Rochester, NY - 2020

- Participated in an 8 hour hackathon
- Collaborated with a friend to develop an iOS and Android application using Flutter
- **Won Best Project Design**

### Ludum Dare 39 - 2017

- Participated in a 72 hour game jam/hackathon
- Architected a video game using Unity and C#

### World Maker Faire, New York City, NY - 2016

- Volunteered at World Maker Faire in New York City
- Helped set up and coordinate booths at the event

## Education

### Rochester Institute of Technology, Rochester, NY

August 2020 - May 2025

- Pursuing Bachelors in Software Engineering
- Member of codeRIT

### Andrews Osborne Academy, Willoughby, OH

2018 - 2020

### Montessori High School, University Circle, OH

2016 - 2018

## Relevant Coursework

- Software Development & Problem Solving I & II
- Project-Based Calculus I & II
- Discrete Math for Computing
- Web & Mobile I
- Introduction to Cybersecurity
- AP Computer Science Principles
- AP Calculus AB

## Programming Languages

Python  
Dart  
Java  
JavaScript  
jQuery  
Unity C#  
HTML  
XML  
CSS

## Frameworks/ Libraries

Flutter  
Firebase  
PyTest

## Tools

Git  
Powershell  
Unix Command Line  
VS Code  
Vim

## Skills

- Proficient in test driven development  
- Detail oriented  
- Excellent collaborative and communication skills  
- Fast learner  
- Experienced in object oriented programming  
- Well-versed in data structures and algorithms

## Awards

ClayHack 2020 - Best Project Design