# Devan Kavalchek

**Email:** devan.kavalchek@gmail.com
**Phone:** (440)-773-7269

**Website:** https://kavalchek.dev
**Github:** https://github.com/devanturtle7

## 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
- Project-Based Calculus I
- Web & Mobile I
- Computing Exploration Seminar
- 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