

# Devan Kavalchek

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## 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 and practice TDD

### Spotify-Hue - Web Application

- Architected with HTML, CSS, JQuery, and AJAX
- Worked with Spotify and Philips Hue APIs
- Changes the color of users' lights based on the album art of the current song on Spotify

## Experiences

### BrickHack7, Rochester, NY - 2021

- Team lead of a 3 person team in a 24 hackathon
- Architected a responsive web application using HTML, JavaScript and JQuery
- Utilized the Spotify API to allow users to listen to music together
- Improved my collaborative, leadership, and GitHub skills
- Selected as 1 of 75 projects for **Best Usage of Google Cloud**

### ClayHack, Rochester, NY - 2020

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

### 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

### 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

## Programming Languages

Python  
Dart  
Java  
C  
JavaScript  
JQuery  
HTML  
CSS

## Frameworks/ Libraries

Flutter  
Firebase  
PyTest  
JUnit

## Tools

Git/GitHub  
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

**BrickHack7** - Best Usage of Google Cloud  
**ClayHack 2020** - Best Project Design