Devan Kavalchek

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

Website: https://kavalchek.dev
GitHub: https://github.com/devanturtle7

Highlighted Projects

Spotify Hue - *Android Application*
- Architected with Java, XML, and AJAX using Android Studio
- Worked with Spotify SDK and Philips Hue API
- Changes the color of users' lights based on the album art of the current song on Spotify

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

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 and Cloud Firestore 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
Android Studio
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
- Experienced with SDKs and APIs

Awards

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