

# Devan Kavalchek

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

## Objective

Seeking a software engineering co-op using strong problem solving and programming skills in Java, Python, Dart, or JavaScript.

**Available May 2021 - December 2021**

## Education

**Rochester Institute of Technology**, Rochester, NY

*Bachelor of Science in Software Engineering* (Second year in a 5 Year Program)

**GPA: 3.37** - Dean's List Spring 2021

**Relevant Courses:** Web Engineering, Software Development & Problem Solving I & II, Personal Software Engineering, Project Based Calculus II, Discrete Math for Computing

## Highlighted Projects

### Full Stack Chat - Web Application

- Used React and Bootstrap to build a responsive web-based messaging app
- Developed a REST API using Flask that communicates with a PostgreSQL server to deliver real time updates to the client
- Utilized test driven development to ensure functionality of the API

### Spotify Hue - Android Application

- Developed an Android application that changes the color of the user's lights based on the album art of the current song on Spotify
- Architected with Java and XML using Android Studio
- Utilized the Spotify SDK and Philips Hue API to deliver a more immersive listening experience to the user

### Corner Clerk - iOS/Android Application

- **ClayHack 2020 Winner: Best Project Design**
- Collaborated with a colleague to develop an iOS and Android Application that makes grocery shopping more convenient for college students
- Architected with Flutter and Firebase
- Problem solved bugs in a high stress, time sensitive environment
- Went on to build and ship multiple versions to Android users

## Leadership Experiences

### Course Assistant - Software Development & Problem Solving I, Rochester, NY - Present

- Assisted in teaching students Python and the fundamentals of programming including data structures, algorithms, object oriented programming and test driven development
- Attended classes to assist with in class activities and problem solving activities
- Graded and provided feedback on over 130 assignments a week
- Provided 2 hours of virtual mentoring to students each week
- Upheld responsibilities while maintaining a rigorous academic schedule

### Lifeguard - Cedar Point, Sandusky, OH - 2021

- Awarded "Lifeguard of the Week" out of almost 300 guards
- Certified in Water Rescue, CPR, and First Aid by Ellis & Associates
- Maintained continuous surveillance of pools and attractions while enforcing all policies and procedures to ensure the safety of guests

### BrickHack7, Rochester, NY - 2021

- Utilized the Spotify API and Cloud Firestore to allow users to listen to music together
- Architected a responsive web application using HTML, JavaScript and JQuery
- Selected as 1 of 75 projects for **Best Usage of Google Cloud**
- Lead a team of 3 in a time-sensitive environment
- Problem solved to work around limitations of the Spotify API while under pressure

## Programming Languages

Python  
Dart  
Java  
Kotlin  
JavaScript  
SQL  
HTML  
CSS

## Operating Systems

Windows  
Mac OSX  
Android

## Frameworks/ Libraries

React  
Flutter  
Spark Java  
Flask  
Firebase  
JQuery

## Tools

Git/GitHub  
Powershell  
Unix Command Line  
VS Code  
Android Studio  
Vim  
intelliJ IDEA  
PostgreSQL

## 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