Devan Kavalchek

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Education

Rochester Institute of Technology, Rochester, NY
Bachelor of Science in Software Engineering (Second year of a 5 year program)
Dean's List Spring 2021 to Present
Member of Society of Software Engineers

Highlighted Projects

Artist Portfolio | *Web Application*   **Dec 2021 - Present**
- Developed and assisted in the design of a portfolio website. Created an admin page that allows the artist to customize the content on the site.
- Displayed the artist's work in a unique, minimalistic and personal way, which helped get their work displayed at an exhibition.
- Used React and CSS to develop a responsive web application.
- Utilized Firebase to store image metadata and AWS S3 to upload and store images. Authenticated page CRUD operations using Firebase authentication

Spotify Hue | *Android Application*   **May 2021 - Present**
- 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 unique and immersive listening experience to the user

Full Stack Chat | *Web Application, REST API, Database*   **Nov 2021 - Present**
- Used React and Bootstrap to build a responsive web-based messaging app
- Developed a REST API using Flask that communicates with a PostgreSQL database to deliver real time updates to the client
- Utilized test driven development to ensure functionality of the API

Corner Clerk | *iOS/Android Application*   **Sept 2020 - Oct 2020**
- **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

Work Experience

Course Assistant | *Rochester, NY*   **Aug 2021 - Present**
- Assisted in teaching students the fundamentals of programming including data structures, algorithms, object oriented programming and test driven development using Python and Java
- 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*   **May 2021 - Aug 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

Programming Languages
Java
Python
JavaScript
Dart
Kotlin
SQL
HTML & CSS

Operating Systems
Windows
Mac OSX
Android

Frameworks/ Libraries
React
React Native
Flutter
Spark Java
Flask
Firebase
AWS Lambda & S3
PostgreSQL

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

Skills
- Software development lifecycle
- Agile development
- Test driven development
- Object oriented programming
- Data structures & algorithms
- Systems design
- Detail oriented

Awards
BrickHack7 - Best Usage of Google Cloud
ClayHack 2020 - Best Project Design
Meet & Hack 2022 - 2nd Place Community Hack