Carson Cramer

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WORK EXPERIENCE

Fractyl Development, LLC   **Nov. 2017 – Dec. 2021**
Co-Founder and Lead iOS-Developer   *Denver, CO*
- Fractyl Development is a software development firm that specializes in mobile app development(fractyldev.com).
- Full-stack developer who used a variety of languages but mainly Swift and Java.
  - National Finalists in a software development competition.
  - Had three apps win awards at state-wide software development competitions

Optical Engines Inc.   **May 2022 – Aug. 2022**
Software Engineering Intern   *Colorado Springs, CO*
- Revamped the UI and created new calculation features for their laser calibration system that is now used by laser researchers.
- Added new functionality to their in-house Company Resource Management web application.

Dugan Dentistry   **Aug. 2022 – Present**
Lead iOS Developer   *Remote*
- Leading a team of two other developers in building an app to fit the client's needs.
- Using Swift to create an image processing app that will be used by dentists.

EDUCATION

Colorado School of Mines   **May 2024**
Bachelors + Masters, Computer Science   *Golden, CO*
- Member of Sigma Alpha Epsilon fraternity, Club Baseball, Association for Computing Machinery

Legend High School   **May 2020**
High School Diploma   *Parker, CO*
- 4.15 GPA
- Took 35 credit hours at the local community college of mostly computer science classes.

SKILLS

- Swift
  - 4 years of experience in a professional environment at Fractyl Development and Dugan Dentistry
- Java
  - Developed 2 Android apps using Java at Fractyl Development
  - Taken 'Advanced Java Programming' and 'Software Engineering'
  - Some small personal projects written in Java
- C/C++
  - Used in 'Algorithms', 'Data Structures' and 'Operating Systems'
  - Used gradient decent in constructing a scheduling problem heuristic.
- C# + WPF
  - Used in my internship at Optical Engines for building a seamless UI and writing new calculation features for their laser researchers.
- React.js
  - Have built multiple web apps using React and used it to build new features for users of the Optical Engines CRM web application.
- Python
  - Used along with Alembic and MySQL to add features to the Optical Engines database.
  - Taking CSCI 470 "Machine Learning" which is primarily in Python

MY PROJECT HIGHLIGHTS

- **Cover Your Apps**
  - A Venmo-esque app where users can send legal contracts to each-other, can keep track of lent items and cash transactions.
  - Used Swift, SwiftUI and Node.js
  - Worked with client from start to finish, everything from UI Design to Final Product using agile development.
- **Waypoint – Won first place at a state-wide software development competition**
  - A social media platform where users can interact only with those near them, creating a 'living map of your city' where you can see what is going on near you.
  - Used Swift, SwiftUI and Node.js
  - Used geofencing and asynchronous cloud functions to create a great experience for the user.
- **The Morse Project – Finalist in a national software development competition**
  - Vibrates incoming text messages in morse code so blind users can 'read' their sensitive text messages without text-to-speech.
  - Has multiple built-in learning modules for those that want to learn morse code.
  - Used Java