

# Christopher Cooper

Irvine, CA | coopercb@usc.edu | linkedin.com/in/chriscooper13 | www.christophercooper.me

---

## EDUCATION

University of Southern California, Viterbi School of Engineering

Bachelor of Science, Computer Science

Master of Science, Computer Science

Relevant Coursework: Data Structures, Algorithms and Theory of Computing, Software Engineering

Los Angeles, CA

Expected May 2023

Expected May 2023

GPA: 3.64

## EXPERIENCE

### Google

Software Engineering Intern

Mountain View, CA

May 2022 – Aug 2022

- Full stack development for an internal tool
- Designed, developed, and tested new features that were implemented with Angular and C++

### PIMCO

Software Engineering Intern

Newport Beach, CA

Jun 2021 - Aug 2021

- Created a tool for internal developers to monitor trading grids
- Used Spring Boot (Java), Sanic (Python), and Oracle for back-end development and data storage, and Angular for the UI
- Project was fully tested and deployed for the use of the firm

### Inked Sports LLC

Software Engineering Intern

Los Angeles, CA

Dec 2020 - Aug 2021

- Built an app and website for college athletes and brands to make deals, both applications used React and Node.js
- Facilitated user authentication using both the Facebook API and the Apple authentication
- Helped communicate with the Facebook API to gather live data so that the user can get the most up to date data

## LEADERSHIP AND INVOLVEMENT

### CAIS++

General Member

Los Angeles, CA

Aug 2020 – May 2022

- CAIS++ is the student organization of the USC Artificial Intelligence Society (CAIS)
- Learned the basics of Machine Learning (Neural Networks, Linear/Logistic Regression, etc.) and started to implement skills in real world projects

### Scope USC

General Member

Los Angeles, CA

Aug 2020 – May 2022

- Taught different technologies throughout the semester in a with a project-based curriculum
- Previous topics were Firebase, React Native, and Swift

## PROJECTS

### FoodConnect

July 2021 – August 2021

- Full stack web application that is meant to be the more social side of Yelp, so that users can be more interactive with each other
- Uses a MongoDB database to store all data, S3 to store all the media, and JWT for authentication
- Communicates with Yelp Fusion API to gather more data about restaurants

### Arcade Hoops

Oct 2020 - Nov 2020

- An iOS application where the user can play an AR basketball game with the front facing camera
- Set up the Java Servlet that communicated with the MySQL database, including authentication
- Connected the front-end Swift application with the back-end Java servlet to have live scoring updates

### Spotify Insider

Nov 2020 - Jan 2021

- A web application that allows users to see personalized Spotify and to create playlists based on what they listen to
- Created web application with a React.js front-end that connects to a Node.js back end
- The back end of this application communicates with the Spotify Web API to get the information about the user

## SKILLS

- Programming Languages: Java, C++, Python, JavaScript, HTML/CSS,
- Technologies: MongoDB, SQL, Node.js, React, Django, Git