

# MELANIE EHRLICH

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## Education

### University of Central Florida

*Bachelor of Science in Computer Science, Mathematics Minor*

**Aug. 2020 – May 2024**

*Orlando, Florida*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Intro to C Programming
- Calculus I-III
- Object Oriented Program
- Discrete Structures
- Computer Logic
- Physics

## Awards

### Dean's List

*UCF College of Engineering and Computer Science*

**Feb. 2021**

### AICE Diploma with Distinction

*Cambridge University*

**May 2019**

## Experience

### Socio-Technical Interaction Research Lab

*Undergraduate Research Assistant*

**May 2021 – Present**

*Orlando, Florida*

- Utilize MySQL to verify participant data from the Instagram Data Donation project.
- Complete risk annotations on participant Instagram conversations, to be used in a machine learning model.
- Increase participation in the study by contacting external organizations and following up with participants by email.

## Projects

### Friend Alarm | *Java, Android Studio*

**October 2020**

- Developed an Android application that allows users to send "taps" to their friends.
- Created mockups for the app including various pages such as user sign on and friends list.
- Worked with a team to create the app idea and submit to the KnightHacks 2020 hackathon.

### Cup Pong | *JavaScript*

**May 2020**

- Created an two-player game as a submission for the 2020 AP Computer Science Principles exam.
- Used JavaScript to implement the rules; a board of cups is shown and the player who clears the board first by throwing a ball into cups wins.
- Utilized the layout editor to create a UI for the game.

## Technical Skills

**Languages:** C, C++, Java, HTML, CSS, JavaScript

**Developer Tools:** VS Code, Eclipse, Android Studio

**Technologies/Frameworks:** MySQL, React.js, Linux, GitHub

## Leadership / Extracurricular

### Association for Computing Machinery

*Marketing Director*

**May 2021 – Present**

*University of Central Florida*

- Responsible for managing ACM-W social media profiles and leading the Marketing Committee.
- Create flyers for events using Canva to increase turnout and promote diversity and inclusion of women in tech.
- Collaborate with other club officers to organize new events and grow the organization.

### Knight Hacks

*Communications Director*

**Nov 2020 – Present**

*University of Central Florida*

- Lead a team of students to market KnightHacks, UCF's annual hackathon, to thousands across from the US.
- Manage KnightHacks social media profiles and divides tasks among communications team members.
- Increase hackathon turnout with a marketing plan which in turn allows more students to gain experience in building software projects.