



MELANIE EHRLICH

☎ 561-800-9271 ✉ melanie6104@knights.ucf.edu  [linkedin.com/in/melanie-ehrlich/](https://www.linkedin.com/in/melanie-ehrlich/)  github.com/mel4ni3

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

- Use MySQL and AWS to troubleshoot participant issues with uploading data for 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, following up with participants by email, and updating the study's website.

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, Python, Java, HTML, CSS, JavaScript, PHP

Developer Tools: VS Code, Eclipse, Android Studio

Technologies/Frameworks: MySQL, AWS, 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.