

# HEMANT KANOUIJA

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## EDUCATION

**University of Central Florida (GPA: 3.978)**

Orlando, FL

*Bachelor of Computer Science*

*Aug 2021 – Present*

**Relevant Coursework:** Data structures and Algorithms I & II, Object Oriented Programming, System Software, Processes for Object-Oriented Software Development, Computer Logic and Organization, Discrete Structures I & II, Operating Systems, Software Engineering

## PROFESSIONAL EXPERIENCE

**RE-RASSOR – Florida Space Institute**

Orlando, FL

*Software Developer*

*Sep 2024 - Present*

- Collaborating with multidisciplinary team to develop and implement teleoperation system to control multiple rovers on lunar surface.
- Simulating lunar conditions to test the performance of multiple rovers on a lunar surface.
- Optimizing remote rover operations by effectively handling communication delays in teleoperation.

**CODEFY**

Jacksonville, FL

*Python Basics Co-Director*

*Jan 2021 - Aug 2021*

- Instructed a class of 30-40 students, delivering engaging lessons and promoting an interactive learning atmosphere.
- Coordinated and managed a team of mentors, who helped ensure the class session ran smoothly.
- Developed educational materials for effective teaching and keep students engaged during the session.

## PROJECTS

**Fuzz4All**

*Mar 2024 – Apr 2024*

*Python, Docker, Flask, JavaScript, HTML/CSS, git*

- Designed and developed a Flask web application to display a run's test result and the research results.
- Collaborated with team members to document the changes made to the open-source repo.
- Led weekly team meetings, utilizing agile practices to monitor our progress throughout the project lifecycle.

**PetPals**

*Oct 2023 – Dec 2023*

*Next.js, Prisma, TypeScript, Cloudinary, Figma, NodeMailer, Vercel, Next-Auth*

- Collaborated with my team to create an application inspired by Tinder for pet owners to connect their pets with other pets.
- Integrated Figma design into the application's user interface for a cohesive user experience.
- Developed APIs to support features like liking and disliking.

**College Events**

*Jan 2023 - May 2023*

*HTML/CSS, JavaScript, PHP, MySQL, git*

- Developed a web application that incorporated user authentication and hierarchical role-based access control.
- Designed and implemented features like viewing, creating, and commenting on events.
- Collaborated with my partner to create smooth user experience and outlined the structure of the web application.

## SKILL

**Languages:** Python, Java, C, C++, C# TypeScript, SQL, JavaScript, HTML, CSS, PHP

**Frameworks:** Next.js, Node.js, TailwindCSS, MaterialUI, Flask, Express.js

**Tools:** Git, GitHub, Firebase, Figma, Vercel, Ubuntu, MySQL, Docker, Llama, Apache, OpenAI