

Seoyoung Kong

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EDUCATION

University of Central Florida (UCF), Orlando, FL

Graduation: May 2024

Bachelor of Science in Information Technology, GPA: 3.4/4.0

Related Coursework: Database Concepts (SQL), Foundations of HCI, Enterprise Computing (Java), Managing IT Integration, System Administration and Maintenance

Extracurricular Activities: Knight Hacks, AI@UCF (Web Development Team), Association for Computing Machinery – Women, Esports at UCF, Google Developer Student Club UCF (Technical Lead)

SKILLS

- **Programming Languages:** Java, Python, SQL, HTML/CSS, JavaScript
- **Frameworks/Tool:** React Native, React.js, Node.js, Flask, MongoDB, MySQL, Figma, Git, Microsoft Office
- **Languages:** English (Fluent), Korean (Native), Mandarin (Fluent)

EXPERIENCE

WEAR Lab UCF | App Development Team Lead

Mar 2023 - Present

University of Central Florida, Orlando, FL

- Developed a **real-time mobile app** with **React Native** for displaying users' biometric and environmental factors.
- Employed **Agile** methodology to lead a team of four developers collaborating with the hardware team for user data.
- Designed an intuitive front-end with modern UX/UI incorporating data visualization for enhanced accessibility.
- Implemented **FastAPI** to enhance **Bluetooth Low Energy** device processing, optimized data efficiency, and stored user data in **MongoDB** using **Node.js**.

PROJECTS

Coverwave Website | *Hack-A-Bull*

Mar 2023

University of South Florida, Tampa, FL

- Created a website with **React.js** and **Node.js**, enabling AI-driven personalized album cover creation.
- Integrated a **Spotify-web-API-node** package for connecting to Spotify accounts and retrieving data.
- Managed **Firebase** for image storage and utilized **Stable Diffusion** deep learning for text-to-image generation.

Fight Night | *Hacklytics*

Feb 2023

Georgia Institute of Technology, Atlanta, GA

- Applied **data analysis** to predict MMA fight outcomes and create visualizations for identifying top fighters.
- Generated ratings and probabilities for each fighter by **web-scraping** UFC stats using **Python**.
- Used a random forest model and an Elo rating system to craft a predictive framework yielding a 70% accuracy.

Multus Medium Website | *AI@UCF*

Feb 2023

University of Central Florida, Orlando, FL

- Produced **website prototypes** for an AI-driven recommendation system using **HTML**, **CSS**, and **JavaScript**.
- Operated weakly **Scrum** and **Agile** methodologies, collaborating with music, movie, game, and business teams.

ColorScape Website | *Swamphacks IX*

Jan 2023

University of Florida, Gainesville, FL

- Utilized **HTML**, **CSS**, **JavaScript**, and **Python Flask API** to build a website, creating new landscape images using ML from color code data.
- Employed over 4,000 landscape images and their top 5 colors input to the **GANs**, **TensorFlow** to train the model.
- Rescaled and preprocessed the images using **OpenCV** to a uniform size.

Recycling Social Media App | *Knight Hacks*

Sep 2022 - Nov 2022

University of Central Florida, Orlando, FL

- Crafted a mobile app service using **Figma**, **React Native**, and **MongoDB**.
- Contained information on the latest recycling projects that inform others about the ways to recycle.