

# Seoyoung Kong

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## EDUCATION

### Bachelor of Science in Information Technology

Expected: May 2024

University of Central Florida (UCF), Orlando, FL

**Related Coursework:** Database Concepts (SQL), Computer Science I (C Language), Object Oriented Programming (Java), Introduction to Discrete Structures, Computer Organization and Logic, Security in Computing

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

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## SKILLS

- **Programming Languages:** C, Java, Python, SQL, JavaScript, HTML, CSS, Dart
- **Tools:** Figma, Git, Xcode, Visual Studio Code, VS code, Eclipse
- **Software:** MySQL, MongoDB, Django, Node.js
- **Languages:** Korean (Native), Mandarin (Fluent)

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## EXPERIENCE

### WEAR Lab UCF | App Development Team Lead

Mar 2023 - Present

University of Central Florida, Orlando, FL

- Identify the necessary features, functionality, and performance requirements and create a project plan that outlines the development process, milestones, and deadlines.
- Develop a custom software application that will allow for real-time visualization and analysis of the data collected by the sensors.
- Incorporate statistical and machine learning-based algorithms into more detailed physiological and biomechanical data analysis.

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## PROJECTS

### Fight Night | Hacklytics

Feb 10 - 12, 2023

Georgia Institute of Technology, Atlanta, GA

- Used a data-driven approach to predict the results of MMA fights and leverage the results to develop data visualizations that predict the best fighters in individual sports such as MMA.
- Involved in web scrapping UFC stats using Python and ParseHub.

### Coverwave Website | Hack-A-Bull

Mar 25 - 26, 2023

University of South Florida, Tampa, FL

- Utilized React, Node.js, and Firebase to develop a website called Coverwave, which allows users to generate personalized album covers using artificial intelligence.
- Used a Spotify-web-API-node package that allowed us to connect to Spotify accounts and retrieve data from them, such as playlists or usernames.
- Stored generated images and Stable Diffusion for a generation to the Firebase.

### ColorScape Website | Swamp hacks IX

Jan 27 - 29, 2023

University of Florida, Gainesville, FL

- Utilized HTML, CSS, JavaScript, and the Python Flask API to develop a website called ColorScape, which helps people explore unknown landscapes using AI through color code data.
- Used a dataset of over 4000 landscape images and the top 5 most abundant colors in those images as input to the GAN and used 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

- Planned and designed a mobile app service using Figma.
- Contained information on the latest recycling projects that inform others about the ways to recycle.
- Utilized React Native and MongoDB to develop a Mobile App.