# Garrick Sewsankar

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## Skills

Programming: C/C++, Java, Python, Dart

Web: HTML5, CSS, JavaScript, NodeJS

Frameworks: React/React-Native, Firebase, Svelte, GraphQL, Flutter, Express, MongoDB, AWS Amplify

Software: Agile SCRUM Methodology, VScode, Adobe Photoshop, Cyberlink PowerDirector, Unity, Blender

Electronics: IPC 610-A Class 2 Solder Training, ARM LEGv8, Raspberry Pi

## Experience

**Full Stack Developer – fwee.io** Orlando, FL 04/2021-Present

- Responsible for the system design and maintenance of a scalable social platform that utilizes Google cloud functions within a virtual marketplace.
- Built and designed a client with React to display user information retrieved from an API that I developed with GraphQL to handle accounting data and transactions for each user's account.

**Electronics Technician – PHILIPS (Invivo)** Gainesville, FL 12/2019-12/2020

- Assembled and tuned MRI Radiofrequency coils by soldering components to boards and calibrating the coils to work with correct frequencies.
- Completed documentation for each coil built and met manufacturing production deadlines each week.

**Research Assistant – JainLAB & UF Transportation Institute** Gainesville, FL 10/2018-6/2019

- Analyzed video eye tracking data by creating regions of interest and exporting data to .CSV files, using BeGaze software, on a driving safety project under the I-STREET initiative.
- Research was used to determine where drivers look while driving and if audio alerts would help protect pedestrians and cyclists. Funded by the Florida Department of Transportation.

## Projects (see github.com/gsewsankar)

**Free World Exchange Experience** - Created, Designed, and Developed a fully functional online social media marketplace where users exchange virtual items using an in-market digital currency backed by time. **(React, React-Native, Firebase, GraphQL)**

**Auto Accident Data Visualization Tool** - Programmed a data visualization dashboard using a dataset for car accidents across the United States from 2016-2021. Designed complex trend queries to perform trend analysis on factors that affect car accidents over time. **(Oracle SQL, React, D3JS)**

## Education

**University of Florida – Bachelor of Science (B.S.) in Computer Science,** May 2022
**Engineering Certificate – Artificial Intelligence Fundamentals and Applications**
Significant Courses – Data Structures and Algorithms, Probability in Computer Science for Machine Learning, Ethics, Data, and Technology, Business Law, Data Analytics with Artificial Intelligence

Certifications – CIW Internet Business Associate Certification, Certified Microsoft Office Specialist