

Gavin Barber

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EDUCATION

University of Central Florida

Bachelor of Science in Computer Science

Orlando, FL

August 2019 – May 2023

- GPA: 3.6
- Relevant Coursework: Database Systems, Operating Systems, Algorithms for Machine Learning, Robot Vision, and Concepts of Parallel and Distributed Processing

TECHNICAL PROJECT EXPERIENCE

AI Perception of Analog Gauges – Siemens Energy

September 2022 – April 2023

- Collaborated with a **scrum** team of five to develop an **end-to-end** prototype system that utilizes AI methods to predict the indicated values of analog gauges.
- Built a robust **RESTful API** in **Django** that serves data to every component of our system and performs data analysis, and deployed the API on **AWS EC2** for scalability and availability.
- Designed and deployed a **MySQL** database on **AWS** and implemented **S3** for file storage.

PROJECTS

iOS Unity Game - Dungeon Divers | 🍏

August 2023 – November 2023

- Independently designed and developed a fast-paced 2D platformer game in **Unity** using **C#** for iOS devices.
- Created endless dynamic levels, various enemies, and a scoring and currency system with **C# scripts**.
- Published on **App Store** for **iOS devices** and integrated Unity Ads.

Portfolio Website | 🐙

October 2022

- Built a personal portfolio website using **React.js** and **Node.js** packages to showcase my web presence, projects, and skills in a visually appealing format.
- Deployed on **Github Pages** and repository is public to other's that wish to use my template.

MERN Stack - Dead Ringer | 🐙

March 2022 – May 2022

- Created a **web based application** using a **MERN stack** that automatically sends pre-written emails to selected recipients if the user does not check in before the amounted time ends.
- **Project leader** and **back-end developer** for a group of seven.
- Developed a **RESTful API** using **Express.js** and integrated SendGrid's API for automated email delivery.

LAMP Stack - Shomi | 🐙

February 2022 – May 2022

- Developed a college social event management website on a **LAMP Stack**.
- Constructed extensive database using **MySQL** and utilized **PHP** for the **RESTful API**.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, SQL, HTML/CSS, C#, C, PHP

Frameworks and Libraries: Django, Node.js, React.js, Express.js

Tools: Git, AWS (EC2, S3, Elastic Beanstalk), Ubuntu, Unity, MySQL, MongoDB, Jira