Gavin Barber

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EDUCATION

University of Central Florida — Orlando, FL
Bachelor in Computer Science — *Expected May 2023*
- GPA: 3.54
- Relevant Courses: Database Systems, Operating Systems, Algorithms for Machine Learning, Robot Vision (*currently enrolled*), and Concepts of Parallel and Distributed Processing (*currently enrolled*)

PROJECTS

Siemens Energy - AI Perception of Analog Gauges — September 2022 – Present
- Working with a scrum team to design and prototype a system that aims to automatically identify gauges within a camera frame, reading their indicated values, and storing them on a database system.
- Developing a robust REST API with Django that is able to process extensive JSON requests and perform statistical data computations.
- Designed a MySQL database that meets the needs of individual power plant sites.

Dungeon Divers | ▶ — May 2020 – Present
- Personally designed and developed a fast pace 2D platformer game in Unity for iOS mobile devices.
- Created various enemies, moving obstacles, levels, and a scoring system with C# scripts.
- Utilized Unity's collision detection to program an automatic movement system for the player.

Portfolio Website | ⓞ — October 2022
- Built a personal portfolio website using React and tsParticles 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.

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 the REST API using Express.js and integrated SendGrid's API for automated email delivery.

Shomi | ⓞ — Feb 2022 – May 2022
- Developed a college social event management website on a LAMP Stack.
- Constructed extensive database using MySQL and utilized PHP for the REST API.

TECHNICAL SKILLS

Languages: (*Proficient*): C, Java, Python, HTML/CSS (*Familiar*): JavaScript, PHP, C#
Frameworks and Libraries: Node.js, React, Express.js, Django
Technologies: Git, Unity, MySQL, MongoDB, Postman, Jira, Swaggerhub