Lucas Konvalina

konvalinalucas@gmail.com |Linkedin| 407-797-4122| Portfolio Website

Education

University of Central Florida (UCF) - Orlando, FL   *May 2026*
Bachelor of Science in **Computer Science**
- **Achievements:** Dean's List, Computer Science Foundation exam
- **Relevant Coursework:** Data Structures and Algorithms, Processes for Object Oriented Software Development, Discrete Mathematics, Computer Logic and Organization

Skills

Technical Skills: Python, Java, C, HTML, CSS, JavaScript, PHP, SQL, Tailwind, Typescript, Git, React, Unity, Computer Hardware, Excel, Word, Teams Time management, Leadership, Decision Making

Experience

Biomedical Acoustics Research Laboratory(BARL UCF)   *Spring 2024 – Fall 2024*
- Conducted research on real-world applications of biomedical devices, focusing on data analysis and mechanical engineering projects.
- Optimized program performance by parsing and sanitizing large datasets, significantly improving processing efficiency.
- Collaborated on the development of a function generator for use in mechanical engineering labs, enhancing experimental capabilities.

Projects

Glance, AI Financial Dashboard– TypeScript, Tailwind CSS, TRPC, Next.js, React.js, Prisma   *Fall 2024*
- Collaborated with a team to develop a financial platform that consolidates multiple accounts all into one place, provides market insights, and generates personalized AI-driven financial advice based on user spending and investment habits.
- Leveraged Plaid, Polygon, and Gemini AI APIs to enable secure financial data aggregation and analysis, with OAuth authentication for user login.
- Designed a responsive, user-friendly interface using Tailwind CSS and React, resulting in a **100%** lighthouse score

Portfolio Website – CSS, React, **Next.js**, **Tailwind, Typescript** – https://lucaskonvalina.com/   *Fall 2024*
- Designed and developed a personal portfolio website to showcase software development projects and skills.
- Showcased proficiency in full-stack development, UI/UX design, and modern web technologies.
- Implemented a responsive, design using **Next.js** and **Tailwind CSS** to ensure optimal performance across various devices, ensuring mobile devices were kept in mind during development.

Contact Manager – JavaScript, HTML, PHP, CSS, SQL   *Fall 2024*
- Collaboratively worked with a team to develop a full-stack web application using HTML, CSS, JavaScript, and PHP, enabling users to manage their contacts securely.
- Implemented user authentication features, including a login, logout and signup system
- Integrated backend tools for efficient data storage and retrieval, ensuring a seamless user experience, and achieve a **100%** lighthouse score.

To-Do list – JavaScript, React, HTML, CSS   *Spring 2023*
- Dynamic to-do list application, including various UI tools to enhance user experience, including an intuitive user interface to add, edit, and delete tasks and implemented quality of life features such as task filtering.

Work Experience

Part Time Participant In International Consulting Business | Carr Renewables   *2019- Present*
- Learning about international consulting business, gaining knowledge and skill set of inner workings of business, customer acquisition plus retention and real-world problem solving.
- Studying how to provide expert services to various clients in renewable business.

Planet Smoothie | Blender Technician   *Fall 2022 – Present*
- Excelled in promoting a positive guest experience with great customer service and providing personalized recommendations and efficiently maximize product sales by effectively upselling and monitoring inventory levels to ensure popular items are available and keeping waste at a minimum.