Charles Cahill

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Portfolio: https://charlescahill.dev (Scan QR or NFC)

EDUCATION

Florida Polytechnic University, Lakeland, Fl — *Bachelors in Computer Science*

August 2021 - May 2025

Studying Computer Science with a concentration in Software Engineering Anticipated graduation May 2025.

EXPERIENCE

Iron EagleX, Tampa, Fl — *Software Development Research Assistant*

May 2024 - Present

Gained Experience creating full-stack web applications in an agile development setting, working in a software developer team of 5-10 developers. Learned how to make APIs in .net, SQL database integration, and front-end development with React.js

Florida Polytechnic University, Lakeland, Fl — *Software Development Research*

January 2024 - Present

Helping a professor create a full stack web app called VLICS (NFC based information system for smart cities and campuses) using .NET, C#, PostgreSQL, and Docker.

SOFWERX, Tampa, Fl — *Computer Science Internship*

May 2023 - December 2023

Full stack development with Next.js and Bootstrap, AWS deployment, headless CMS integration, UI/UX design in Figma, version control using GIT. Fast development and prototyping using open-source repositories.

PROJECTS

Full-Stack Mobile Development —

Experience in React Native JavaScript development for Mobile applications, as well as native android development in Java. Additional experience with backend development using javascript frameworks such as NodeJS and ExpressJS combined with no-SQL databases.

Static Web Page Design Projects (View Portfolio)—

Experience in HTML and CSS, designed multiple website front-ends. Some experience with backend, such as REST API projects using NodeJS and Express. Visit my website for examples

BasedGPT.chat—

Helped found and develop an uncensored version of ChatGPT built on the llama model utilizing PygmalionAI. Unfortunately no longer online due to high costs and low activity.

BookWise—

A full-stack web application built on Next.js, AWS, and JS, allowing users to make accounts and add book PDFs to view later or to share publicly with other users on the site. Check it out for yourself in my portfolio!

RELEVANT COURSEWORK

COP3809 - Object Oriented Programming in Java and JavaFX GUI development

COP3337 - Object Oriented Programming in C++

COP2271 - Computational Programming in C

COP3415 - SQL Database Design

COP3415 - Data Structures in C++

COP3353 - Unix and Networking

COP3710 – Mobile Device Applications in Java

CEN4065 – Software Design and Architecture

SKILLS

Programming languages and frameworks: JavaScript, React.js, React Native, Next.js, Express.js, Python, C, C++, Java, Tailwind, Bootstrap, HTML, CSS, GIT, C#, PostgreSQL, Docker, .NET

Experience in AWS and other services including Amplify, CloudFront, S3, EC2, Visual Studio, Open AI, Strapi.io CMS, Vercel, Railway, and Linode.

EXTRACURRICULARS

Currently in the process of getting a Top Secret (**TS/SCI**) clearance

Eagle Scout

Member of web design startup Viben Technologies

One of the creators, and lead developers of www.basedgpt.chat (an uncensored ChatGPT) built with pygmalionAI