

EDWIN NGOCHE

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EXECUTIVE SUMMARY

A Software engineering student passionate about technology with the ability to leverage full-stack knowledge and experience to build interactive websites to scale. A quick and hardworking learner open to opportunities to contribute, improve, and learn new skills.

EDUCATION

St. Cloud State University, St. Cloud, MN

Software Engineering, Bachelor of Science

May, 2023

TECHNICAL SKILLS

- Programming languages: C++, MySQL, JavaScript, HTML/CSS, PHP, Python React, React-Native, TypeScript
- Technologies: Google Cloud Computing, GitHub, Android Studio, Visual Studio Code, Apache, PyCharm, NodeJS, Express.js

EXPERIENCE

Undergraduate Project, [Fishing App] SCSU February 2022 - May 2022

- Successfully collaborated with team members to develop a community driven data collection website to collect information about various fish
- Utilized NextJS/React for API, server-side rendering and front-end routing.
- Designed and implemented front-end web components using Material UI.
- Configured the database using PostgreSQL and hosted it on Google Cloud Platform.
- NodeJS + TypeScript/JS was used as the client-side language for the browser.
- Presented the application prototype known as Angler.

Undergraduate Project, [Chat App] SCSU February 2022 - May 2022

- Successfully collaborated with team members to develop a chat application utilizing Stream-Chat API.
- Planned the project's scope, purpose, division of labor and timeline to complete it.
- Designed and implemented the architecture, user interface, platform and programming language for the mobile application using Figma Graphics Editor and Android Studio
- Configured a database to using Firebase.
- Tested the application to meet specification requirements.
- Presented the application prototype known as WhataTalk.

Undergraduate Research, [All-Path Algorithm 1.0] SCSU September 2021 - December 2021

- Researched and developed a full-stack search algorithm that finds all length paths for all pairs of vertices in a graph to search for the shortest path between 2 nodes
- Utilized scrum framework to structure and track our project's development in sprints to do unit testing and review client specifications
- Designed and developed the search algorithm using python
- Configured the web application back-end using Express.js
- Developed the front-end using JavaScript, HTML and CSS
- Generated the Software Requirement Specifications and Software Design Documents for All-Path Algorithm 1.0
- Deployed and presented All-Path Algorithm version 1.0.0

Personal Project [Portfolio Webpage]

September 2020 - Present

- Created a web portfolio to feature my interests, skills, projects, and resume.
- Designed and developed the website using Bootstrap, React and NodeJS
- Hosted and deployed the website using GitHub pages.
- Maintaining the webpage to keep it up to date.

ACTIVITIES AND HONORS

- National Society of Black Engineers (NSBE) | Vice President September 2019 - Present
- Students of Software Engineering | Member | September 2018 - Present
- Computer Science Club | Member | September 2018 - Present
- African Student Association | Member | September 2018 - Present