

EMMANUEL ACHEAMPONG OPPONG

Portfolio | eoппong@gsumail.gram.edu | LinkedIn | Github

EDUCATION

Grambling State University

Bachelor of Science in Computer Science, GPA: 3.86

Grambling, LA

Aug 2024 - May 2028

Relevant Coursework:

Python Programming, Data Structures & Algorithms, OOP (Java), Calculus I, II, Linear Algebra

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C, C++, HTML/CSS, PHP

Frameworks: React, Tailwind, Nextjs, Nodejs, Firebase, Flask, React Native, Bootstrap, Pandas, NumPy, Laravel

Developer Tools: Docker, Git, Google Cloud Platform, Vercel, FastApi, Redis

EXPERIENCE

Software Engineering Fellow

Headstarter AI

July, 2024 – Present

Long Island City, NY

- Built 5+ AI web apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI, with over 1500 waitlist sign-ups
- Coached by Amazon, Bloomberg and Capital One engineers on Agile, CI/CD, Git, and microservice patterns.
- Implemented and maintained a robust CI/CD pipeline on GitHub, ensuring seamless integration and deployment of code across teammates, which increased development and collaboration rates by 40%.

Software Engineering Intern

ALX Africa

June, 2021 – February, 2024

Accra, Ghana

- Mastered C, Git, Bash, Python, and SQL, with a focus on Frontend web development using React, achieving a 90% project success rate.
- Collaborated with team members to develop and deploy scalable Node.js backends, boosting performance by 40% for our React frontends hosted on fly.io.
- Utilized Drizzle ORM and Neon Postgres to create SQL injection-proof databases, ensuring 100% data security and reducing query time by 30%.

PROJECTS

EmmaLingo | React, Typescript, Drizzle ORM

[Link](#)

- Fullstack Duolingo clone application built using Next.js, Neon and Drizzle ORM.
- Added AI generated sounds to make sessions highly interactive.

Youtube Chrome Extension | Javascript, HTML, CSS, Manifest V3

[Link](#)

- Built a chrome extension that bookmarks, saves, plays, and deletes timestamps in YouTube videos.
- Leveraged Chrome Storage API to ensure persistent data storage, utilizing local and sync storage to effectively manage state and user preferences.

EquiLearn | JavaScript, HTML, CSS, Neural networks

[Link](#)

- Built an AI-powered web scraper with Beautiful Soup to curate top-rated free online learning resources, reducing course selection time by 70% for 100+ underprivileged students.
- Developed an algorithm analyzing engagement metrics to recommend free IT courses, boosting user interest by 90% among underprivileged students in Ghana.

AlienBird | HTML, CSS, Javascript

[Link](#)

- Designed a fully-responsive alien-themed version of the classic Flappy Bird game.
- Implemented interactive gameplay by adding sounds and gestures.