

Chiemela Umeh

chiemelaumeh1@gmail.com | chiemelaumeh.com | LinkedIn | GitHub | Publications | (508) 825-6171

Education

University of Houston | Bachelor of Science (B.S.), Computer Science | Junior Expected Dec 2024

- Designed computer programs independently, while conducting testing and providing feedback to senior subject matter experts as a member of an educational software team
- Demonstrated understanding of computer science fundamentals, including data structures, algorithms, and object-oriented principles.

Galvanize Inc. | Full Stack Web Development Bootcamp Aug 2022 – Dec 2022

- 18-week program with over 1000+ hours of Full-stack development using JavaScript, HTML5, CSS3, ReactJS, Express.js, PostgreSQL, SQL, in an agile environment.

Experience

Payday | Software Engineering Intern (Full Stack Development) May 2023 – Jul 2023

- Built web-based applications that scale with complexity. Designed graphic fundamentals, typography, and UI layouts which increased favorable user experience by 20%
- Implemented rate limiting algorithm to prevent server overload and minimize resource over-consumption. Led to a 15% decrease in malicious requests and API vulnerabilities

U.S. Army | Team Manager Aug 2019 – Dec 2022

- Diagnosed and resolved complex issues in integrated communication and geolocation systems, resulting in a significant reduction in system downtime and improved mission readiness

Projects

Post Board | chiemela-postboard.netlify.app

- Designed React web application interacting with a REST API allowing users to create discussion boards and post comments.

Booking | chiemela-booking-application.netlify.app

- Developed a back-end web service to handle user authentication using JWT and interact with client-side services to store data in cache, leading to 10% decrease in dropped user sessions

DevOps | github.com/chiemelaumeh/reddit-client

- Hands on experience using Jenkins as a CI/CD tool. Leveraged terraform to provision AWS EC2 instances and containerize applications using Docker for automated software deployment

Skills

C++, JavaScript, Python, Linux, Jenkins, ReactJS, Node.js, HTML, CSS, Git, Jenkins, Terraform, Docker

Activities

- Published software development and cloud engineering articles - medium.com/@chiemelaumeh1
- Programming and DevOps YouTube Channel - youtube.com/@frankwebdevops
- Member, CougarCS - (Largest student-led Computer Science Organization at UH)