Clement-Andi Clement Edet

(737) 336-2005 | cedet@udallas.edu | linkedin | github

EDUCATION

University of Dallas | Irving, TX   Jan. 2022 – May 2025
B.S. in Computer Science, Dean's List   *GPA: 3.9*

EXPERIENCE

University of Dallas   Jan. 2024 – Present
Software Developer Intern (Operation Optimization)   *Irving, TX*
- Led full stack iOS, Android, and web development teams of the University of Dallas' Mall application.
- Optimized the application's data schema reducing Firebase database read and write costs by 33% .
- Developed and integrated an automated event scraping feature using Python and Firebase cloud functions for the application's feed which increased the number of active users by 15%.
- Implemented Test-Driven Development (TDD) practices using PyTest, achieving a code coverage of 85% and reducing bugs by 10% in the University of Dallas' Mall application.
- Collaborated with the Department of Student Affairs to implement new features, increasing customer satisfaction by 5% aligning the app with key college initiatives.

University of Dallas   Jan. 2024 – Present
Computer Science and Mathematics Tutor (Calculus, Data structures, Algorithms)   *Irving, TX*
- Tutored students in various Computer Science and Mathematics classes improving class performance by 10%.
- Tutored functional and object-oriented design, using languages such as Python, Java, Scheme, and C.

University of Dallas   Jun. 2024 – Aug. 2024
ChatGPT Research Assistant (Prompt Engineering)   *Irving, TX*
- Led a research team to explore the analytical capabilities of GPT-4 in NLP tasks.
- Developed a Python tool that uses various language models to analyze and identify defective arguments in text corpora based on predefined rulebooks using Python and the ChatGPT API.
- Experimented with a mathematical function paradigm for task-specific prompting, which improved model accuracy from 14% to 55%.
- Managed a database of chatlogs where features were extracted to optimize prompt efficiency.

University of Dallas   Jun. 2023 – Aug. 2023
Aristotlean Logic Research Assistant (Data Collection)   *Irving, TX*
- Led a team in automating dataset production using the Natural Language Toolkit and Pandas for Aristotle's categories.
- Visualized dependency trees showing relationships between words in sentences using the dataset and Python.

PROJECTS

AI Travel Agent
- Collaborated to build an AI-powered travel planning platform using HTML, CSS, Javascript, React, and Node.js, leveraging a fine-tuned BERT model to generate personalized itineraries for users.
- Designed a node.js server that handled requests for user-generated data from webhooks.
- Achieved a high level of UX (user experience) from a highly performant UI (user interface).

Library Management System
- Developed a Library Management System using Java Spring Boot and the MySQL workbench and server.
- Implemented role-based access control and relational database design to model complex relationships.

SKILLS

Programming: Python, Google Cloud Platform, React, Sendgrid, Typescript, Javascript, Java, Spring Boot, React, Vue, Node.js, REST APIs, Postman, SDLC, Express, Jest, HTML, CSS, UI/UX Design, C/C++, Rust, Dart, Flutter, SQL, MySQL, SQL Server, SQLite, NoSQL, Firebase, Docker, Linux, Windows, iOS, Android, Web, Git, Github, Unit Testing, Agile Methodologies, SCRUM, Software Design Patterns
Relevant Coursework: Data Structures & Algorithms, Linear Algebra, Software Engineering, Computational Physics, Natural Language Processing, Operating Systems, Computer Organization, Mobile Application Development
Professional Organisations: Colorstack, Association for Computing Machinery, National Society for Leadership and Success, Phi Beta Kappa Society