

Clement-Andi Edet

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EDUCATION

University of Dallas | Irving, TX

Jan. 2022 – May 2025

BS, Computer Science; Magnum Cum Laude; Outstanding Computer Science Major Award

GPA: 3.88/4.00

EXPERIENCE

Software Engineer Intern

Jan. 2024 – May 2025

University of Dallas (The Mall UD)

Irving, TX

- Implemented Cloud Functions to delete expired events, ensuring storage size remained cost-efficient.
- Optimized Firestore queries, reducing event reads by 96% improving app load times and lowered operational costs.
- Enhanced campus navigation by integrating Google Maps into the app improving user campus experience.

Computer Science and Mathematics Tutor

Jan. 2024 – May 2025

University of Dallas (Calculus, Data structures, Algorithms)

Irving, TX

- Tutored students in programming and mathematics using structured guidance and personalized support.
- Facilitated communication between students and professors helping professors adjust to meet student needs.

ChatGPT Research Assistant

Jun. 2024 – Aug. 2024

University of Dallas (Prompt Engineering)

Irving, TX

- Conducted research in a 3-person team on the reasoning abilities of large language models (LLMs), focusing on identifying logical fallacies from a set of 2,000 annotated text samples without model fine-tuning.
- Developed rulebooks and utilized shot-prompting which improved LLM performance in classification tasks.
- Achieved 71% accuracy in fallacy identification by implementing a feedback loop, improving model consistency.

Computational Biology Research Assistant

Jun. 2024 – Aug. 2024

University of Dallas (Programming Support)

Irving, TX

- Supported a biology research team by configuring a Python virtual environment on both Ubuntu and WSL for their upcoming publication, "Optimizing Clustering of CDR3 Sequences Using NLP, Word2Vec, and KMeans"
- Suggested algorithms which accelerated their workflow and reduced development time by approximately one week.

Text Modeling Research Assistant

Jun. 2023 – Aug. 2023

University of Dallas (Dataset Production)

Irving, TX

- Spearheaded the development of a comprehensive dataset (with 100,000+ entries) using NLTK's Wordnet, contributing to a 5-person research team's exploration of Aristotelian text modeling frameworks.
- Automated dataset production which reduced development time by 2 weeks allowing scalable extraction of data.

PROJECTS

Web Paint Application

- Developed a web-based paint application using ReactJS, Node.js, SQLite3, and Firebase, supporting multi-layered image editing, drawing, coloring, and image manipulation within a user-friendly interface.
- Designed and implemented secure authentication and storage with Firebase Auth and Firebase Storage, enabling personalized access to canvases; used Cloud Functions to automate user emails (e.g., welcome, password reset).

AI Travel Agent

- Collaborated with a team of 4 developers in building an AI-powered travel planning platform using JavaScript, ReactJS, and Node.js, integrating a fine-tuned model to generate personalized itineraries.
- Integrated a dynamic flight search feature which utilized user input to produce personalized itinerary.

Sustainable Tourism Model

- Collaborated in a 3-person team to build a mathematical model that maximized profit for the city of Juneau while minimizing negative social and environmental externalities at the 2025 Mathematical Contest in Modeling (MCM).
- Led the computational effort of the team, utilizing Python and Excel for regression analysis of the model.
- Received the Honorable Mention designation among competitors at the international level.

SKILLS

Programming: Java, Javascript, Typescript, HTML, CSS, Jest, JSON, MySQL, MongoDB, SQLite, Postman, Windows, Bash, Powershell, Docker, REST, Git, Github, Google Cloud Platform, Sengrid.

Relevant Coursework: Operating Systems, Software Engineering, Data Structures and Algorithms, Computer Organization, Natural Language Processing, Linear Algebra, Computational Physics, Mobile Application Development.

Professional Organisations: Colorstack, ACM, NSLS, Phi Beta Kappa Honor Society.