

# Clement-Andi Edet

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## EDUCATION

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### 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

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### Software Engineer Intern

Jan. 2024 – May 2025

*University of Dallas (The Mall UD)*

*Irving, TX*

- Implemented Cron Job Cloud Functions to delete expired data, ensuring storage size remained cost-efficient.
- Optimized Firestore queries, reducing reads by 96%, improving app load times, and lowering operational costs.
- Enhanced campus navigation by integrating Google Maps into the app, improving users' 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 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"
- Worked with the computational team in algorithm design reducing development time by 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

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### Web Paint Application

- Developed a web paint application using ReactJS, Node.js, and Firebase, supporting multi-layer image editing, drawing, coloring, image manipulation, and auto-saving within a user-friendly interface.
- Designed an image compression scheme to reduce application throughput, speeding up file synchronization.

### 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 model computational development, dataset production, and utilized Python and Excel for data analysis.
- Received the Honorable Mention designation among competitors at the international level.

## SKILLS

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**Programming:** Java, Typescript, UI/UX, HTML, CSS, Jest, JSON, MySQL, MongoDB, SQLite, Postman, Concurrency, Parallelism, Bash, CI/CD, Docker, RESTful APIs, 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.