

# Clement-Andi Clement Edet

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## 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 Engineer Intern (Database Optimization)*

*Irving, TX*

- Spearheaded development of University of Dallas' Mall application, managing 4 full-stack developers and delivering project updates at least 2 weeks ahead of schedule using Flutter, Dart, and **Python**.
- Improved user experience by optimizing **Firestore** queries, which led to a 10% increase in active users.
- Deployed secure and efficient **Cloud Functions** which purged obsolete and unnecessary data, improving **data integrity** and reducing database size by 15%.

University of Dallas

Jan. 2024 – Present

*Computer Science and Mathematics Tutor (Calculus, Data structures, Algorithms)*

*Irving, TX*

- Instructed students in **functional** and **Object Oriented Programming** using Python, Java, C, and DrRacket, focusing on key concepts such as algorithms, data structures, resulting in improvement in project grades.
- Gave detailed feedback to professors, which helped them improve lecture delivery to students.

University of Dallas

Jun. 2024 – Aug. 2024

*ChatGPT Research Assistant (Prompt Engineering)*

*Irving, TX*

- Led a 3-member research team in analyzing reasoning capabilities of LLMs (ChatGPT, Llama), evaluating 34 defective argument types across more than 2000 text samples.
- Developed a feedback loop that optimized input rulebooks and instruction sets to help **LLMs** via their **REST APIs** correctly identify defective arguments in sentences.
- Improved defective argument identification accuracy from 14% to 55% using automated and iterative refinement of LLM instruction sets and rulebooks.

University of Dallas

Jun. 2024 – Aug. 2024

*Biology Research Assistant (Programming Support)*

*Irving, TX*

- Assisted setting up a Python development environment for a research paper soon to be published: "Optimizing Clustering of CDR3 Sequences Using **Natural Language Processing**, **Word2Vec**, and **KMeans**".
- Offered insight into algorithms used by the computational team, which sped up development time by 1 week.

University of Dallas

Jun. 2023 – Aug. 2023

*Aristotlean Logic Research Assistant (Data Collection)*

*Irving, TX*

- Spearheaded the development of an automated dataset production system using **NLTK** and **Pandas**, increasing data processing efficiency by 40% and enabling analysis of sentences using Aristotelian categories.
- Implemented **n-grams**, **TF/IDF**, **bag of words**, and **Deep Learning** models to predict word relationships in Aristotle's categories, achieving 71% accuracy on a test set of words in Wikipedia.

## PROJECTS

AI Travel Agent

- Collaborated with a team of 4 developers in building an AI-powered travel planning platform using **Typescript**, **JavaScript**, **ReactJS**, and **Node.js**, integrating a fine-tuned BERT model to generate personalized itineraries.

## SKILLS

**Programming:** Python, Javascript, Typescript, **Java**, **C**, Tensorflow, Keras, Recurrent Neural Networks (RNNs), MySQL, Firebase, Linux, Docker, Integer Java Virtual Machine, **HTML**, **CSS**, JSON, REST, XML, **Postman**, **Git**, **Github**, Flutter, Dart, Object Oriented Programming, Google Cloud Platform, AWS, EC2, XAMPP, Sengrid, ReactJS, Node.js, Jest, Agile.

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

**Professional Organisations:** Colorstack, Association for Computing Machinery, National Society for Leadership and Success, Phi Beta Kappa Society.