

# Damarrion Morgan-Harper

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## Education

**California State University - Los Angeles**

Expected: May 2027

Bachelor of Science: Computer Science

## Skills

**Programming Languages:** Python, JavaScript, Java, HTML, CSS, SQL, TypeScript

**Tools and Technologies:** PEFT, QLoRA, Agile, Github, Machine Learning, AWS, HuggingFace, CanvasLMS

**Frameworks and Libraries:** PyTorch, React, Bootstrap, Tailwind, FastAPI, Electron

## Projects

### Career Coach

[github.com/DIIZZYFPS/Career-Coach](https://github.com/DIIZZYFPS/Career-Coach)

- Fine-Tuned a Gemma 3 4B model on a custom dataset of resumes and job descriptions, employing PEFT and QLoRA methods resulting in a highly specialized and efficient model.
- Engineered a Python backend with FastAPI that serves the fine-tuned Gemma model, handling .docx and .pdf parsing and running inference to generate resume/learning suggestions.
- Built a responsive user interface in React bundled with Electron that allows users to seamlessly upload their documents and chat with the specialized model.

### Deyapify

[github.com/DIIZZYFPS/Deyapify](https://github.com/DIIZZYFPS/Deyapify)

- Enhanced accessibility for impaired users by providing clear, structured PDF notes, through architecting an AI audio-to-summary platform using Whisper V3 Turbo and a Gemma 3 4B Large Language Model (LLM).
- Ensured high-quality and structured summary output as demonstrated by the system's ability to handle complex audio content, by implementing a multi-step summarization strategy with custom prompt engineering for the LLM.
- Achieved a 98% performance improvement in AI model inference enabling significantly faster processing for users on CUDA-enabled systems, by optimizing the AI pipeline and leveraging GPU capabilities.
- Developed a responsive and secure user experience by real-time processing feedback and protected user data, by building the full-stack application with a FastAPI backend (SQLAlchemy, JWT for authentication) and a React frontend.

### sAlve

[github.com/DIIZZYFPS/sAlve](https://github.com/DIIZZYFPS/sAlve)

- Developed a full-stack desktop budgeting application, utilizing Electron, React, TypeScript, and TailwindCSS for the frontend, and Python with FastAPI and SQLite for the backend.
- Designed and implemented a RESTful API using FastAPI (Python) to handle CRUD operations for users, financial metrics, and transactions, with data models validated by Pydantic.
- Implemented dynamic data visualizations, including Sankey charts (amCharts) for financial flows, line charts for monthly expense trends, and radar charts for expense overviews (Recharts).

## Experience

**IT/Cybersecurity & Software Engineering Rising Intern**, La Tech – Los Angeles, CA

Aug 2025 – Present

**Academic Technology Assistant (ATA)**, Center for Effective Teaching and Learning – Los Angeles, CA

Jan 2025 – Present

- Ensure consistent faculty support and operational continuity measured by successfully resolving technology support tickets via ServiceNow and providing robust hardware troubleshooting, by delivering high-quality IT assistance.
- Enhance office productivity and streamlined faculty development tracking by contributing to the software development of Faculty Development Management System (FDMS), a custom CRM system for CETL staff.
- Communicated and followed up through project management software (i.e. Notion) status updates with managers
- Structured HTML documents to make them more interactive and accessible according to specifications from Senior Instructional Designers for over 1000 students and faculty learners

**Fulfillment Expert**, Target – Los Angeles, CA

Nov 2021 – Oct 2024

- Played a key role in the full store overhaul following a major roof collapse by assuming responsibilities across various departments, including leadership, resulting in the reopening of the store.