

Dante Mienie

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EDUCATION

University of Arizona, College of Science

Bachelor of Science in Computer Science

Minor: Statistics and Data Science

Honors: Phi Theta Kappa Honor Society, Dean's List (Full-Time), Global Wildcat Award

May 2025

Tucson, AZ

GPA: 3.5

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C, SQL, R, HTML, CSS, MIPS Assembly, Ruby

Frameworks Tools: React, Node.js, GitHub, VSCode, Mosyle

Data/Cloud Platforms: AWS, Postgres, Tableau, Airtable

Relevant Coursework: Algorithms, Object Oriented Programming, Intro to Machine Learning, Operating Systems

PROFESSIONAL EXPERIENCE

Systems & Automation Engineer Intern

June 2025 – Present

MakeInspires

Mamaroneck, NY

- Transformed Airtable infrastructure from a monolithic base to modular systems, reducing load times by an estimated 40% and enabling scalable automation workflows.
- Built cross-functional tools using Airtable and JavaScript to streamline scheduling, check-ins, and calendar event syncing; implemented Google Scripts to auto-delete cancelled classes every 5 minutes. Conducted end-to-end testing to validate logic and prevent regressions across automation pipelines.
- Stack: Airtable, Google Apps Script, JavaScript, Google Calendar API, Twilio, Mosyle

Resident Assistant & Desk Assistant

Aug 2024 – May 2025

University of Arizona Housing

Tucson, AZ

- Supported a residential community of 300 students as a Resident Assistant by organizing inclusive events, managing crisis situations, and enforcing dorm policies to ensure a safe and welcoming environment.
- Served as the primary point of contact at the front desk, using strong communication and problem-solving skills to assist residents with day-to-day needs, manage package distribution, and maintain inventory of amenities.

Intern

June 2024 – July 2024

Elephant Crossing

Larchmont, NY

- Designed and analyzed Google Forms surveys to collect quantitative and qualitative data, supporting data-driven recommendations for the nonprofit's Board.
- Created visual summaries and key performance metrics from raw survey data to track trends and guide leadership decisions.

RESEARCH AND PROJECTS

AI in Medical Interviewing

Aug 2024 – May 2025

University of Arizona – Arizona Simulation Technology and Education Center

Tucson, AZ

- Built a 2D AI chatbot for virtual patient interviews using Python with synchronized speech and custom phoneme-to-viseme lip-sync. Co-developed a RAG model to improve contextual response generation.
- Improved the web application by building an interactive React-based user tour and resolving 3 key UI bugs.
- Stack: Python, React, JavaScript, pygame, gTTS, phonemizer, Scikit-learn

InvestorAI

June 2025

Personal Project

Remote

- Built a FastAPI backend with financial APIs and ML models to deliver AI-driven stock insights.
- Designed modular data pipelines to streamline integration of new financial data sources.
- Stack: FastAPI, Python, yFinance, Scikit-learn, Pandas

2048 Game

May 2024

University of Arizona

Tucson, AZ

- Developed the 2048 game in Java with a dynamic GUI using OOP and MVC design principles.
- Built interactive gameplay logic with Git-based collaboration and unit testing to ensure robust game mechanics.
- Stack: Java, Swing, OOP, MVC Architecture