Alan A. Cedeno

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EDUCATION

Vassar College | Poughkeepsie, New York – *B.S. in Computer Science, May 2025*
- o **Concentrations:** Software Development, Artificial Intelligence, Machine Learning, Web Development
- o **Relevant Coursework:** Data Structures & Algorithms, Foundations of Computer Science, Software Design, Computer Organization, Theory of Computation, Analysis of Algorithms, Compilers, Operating Systems

WORK EXPERIENCE

Software Developer – REALGT | Fort Myers, Florida *Jan 2021- Aug 2021*
- Engineered and deployed multiple Java-based software solutions leveraging OOP, recursion, and modular design to automate data workflows, improving processing efficiency by 25%
- Developed a rule-based AI system enhancing decision-logic accuracy and adaptability
- Integrated Agile collaboration and Git workflows, cutting merge conflicts and boosting feature delivery 20%
- Partnered with peers to test and refactor codebases for scalability and maintainability

Associate Head of Recording Data – Overtime | Fort Myers, Florida *Dec 2020 – Aug 2021*
- Led analytics for a national sports media brand with 2M+ viewers across TikTok, Instagram, and ESPN
- Optimized delivery pipelines via automation, reducing turnaround 30% and raising engagement 40%
- Collaborated with engineering, media, and marketing teams to ensure data reliability and workflow optimization

TECHNICAL PROJECTS

Pre-Registration Scheduling Application | Java, Data Structures, Algorithms, Git *Aug 2023 – Dec 2023*
- Designed and developed a Java-based scheduling platform to automate student course registration and detect time conflicts in real-time
- Implemented efficient hashmaps and array-based algorithms to reduce scheduling errors to zero
- Enhanced software reliability through testing, error handling, and validation, improving stability and user experience

Flash App (Android Application) | Android Studio, Firebase, Java, GitHub *Aug 2024 – Dec 2024*
- Built and deployed a mobile Android application tracking speed, GPS location, and travel time with the Android Location API
- Integrated Firebase Realtime Database for real-time leaderboard updates serving 100+ users
- Managed Git/GitHub branching and version control to resolve conflicts efficiently in a 2-person team

Smart Resume Analyzer & Optimizer | Python, NLP, spaCy, AI, Machine Learning *Jun 2025 – Aug 2025*
- Developed an NLP-powered resume analysis tool using spaCy to evaluate job description alignment and provide keyword optimization recommendations
- Achieved 90% accuracy in keyword relevance testing, significantly improving match scores for targeted job roles
- Developed modular CLI application using best practices for scalable, maintainable code

Midas Core - Event-Driven Financial Data Platform |React, Spring Boot, Spring Kafka, SQL, H2, Java *Oct 2025*
- Developed a core banking microservice using Spring Boot and Kafka integration to simulate JPMorgan's real-time financial data systems and transaction processing
- Built and tested REST APIs and SQL schema to handle high-volume financial transaction data efficiently and integrated an H2 in-memory database for data persistence and system validation
- Debugged and optimized financial logic to ensure data integrity and strengthen enterprise-level backend architecture

Personal Portfolio Website | HTML, CSS, JavaScript, React, GitHub *Aug 2025 – Present*
- Designed and deployed a responsive full-stack portfolio site to showcase software projects and analytics
- Implemented dynamic API integrations and responsive UI/UX features to enhance visitor engagement and accessibility
- Leveraged React components for scalable front-end development

TECHNICAL SKILLS

Languages: Java, Python, C++, C, OCaml, HTML, CSS, Javascript
Frameworks/Libraries: Spring Boot, Spring Kafka, RESTful APIs, Pandas, Scikit-learn, React
Databases/Tools: Android Studio, IntelliJ, VSCode, Git, Linux, Firebase, SQL, H2(In-Memory), JPA
Other: English, Spanish

CERTIFICATIONS & ACTIVITIES

Certifications: CS50's Introduction to Artificial Intelligence with Python *(HarvardX)* • Introduction to Generative AI *(Google Cloud)* • Building Systems with the ChatGPT API *(DeepLearning.AI)* • Intro to Machine Learning *(Kaggle)* • JPMorgan Software Engineering Job Simulation *(Forage)*
Activities: Vassar Varsity Men's Basketball *(2021–2023)* • VC++ Computer Science Club *(2023–2025)* • ColorStack *(2024–2025)*