

Alan A. Ceden0

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EDUCATION

Vassar College

B.S. in Computer Science

Poughkeepsie, New York

Graduated, May 2025

- o **Concentrations:** Software Development, AI Engineering, Machine Learning, Web Development
- o **Relevant Coursework:** Computer Science I(Problem Solving and Abstraction), Computer Science II(Data Structures & Algorithms), Foundations of Computer Science, Software Design, Computer Organization, Theory of Computation, Analysis of Algorithms, Compilers, Operating Systems, Data and its Discontents

WORK EXPERIENCE

REALGT

Software Developer

Fort Myers, Florida

Jan 2021- Aug 2021

- Designed and implemented Java programs using object-oriented principles, including inheritance, recursion, and data abstraction, to solve real-world problems
- Built projects such as rule-based artificial intelligence, showcasing skills in algorithms, data structures, and user interfaces
- Collaborated with peers in group projects to design efficient solutions, improving teamwork and project management skills

Overtime

Associate Head of Recording Data

Fort Myers, Florida

Dec 2020 – Aug 2021

- Developed successful multi channel media campaign for National Sports Media Brand, and captured content
- Edited and shared content across multiple platforms such as Tik tok, Instagram and ESPN that reached thousands of viewers

PROJECTS

Pre-Registration App

Team Member

Poughkeepsie, New York

Aug 2023 – Dec 2024

- Developed a Java-based scheduling application using algorithms to prevent time and day conflicts in student registrations
- Designed and implemented data structures(e.g., arrays,hashmaps) for efficient schedule management
- Ensured robustness through input validation, edge-case testing, and error messaging, enhancing usability and reliability

Flash App

Team Member

Poughkeepsie, New York

Aug 2024 – Dec 2024

- Developed an Android application in Android Studio to track travel time, speed (MPH), and location using the Android Location API, with real-time data handling for accurate metrics
- Integrated Firebase to store and retrieve leaderboard data, creating a competitive ranking system for fastest drivers
- Collaborated with a partner using Git and GitHub for version control, enabling parallel programming and maintaining a robust codebase through efficient conflict resolution

Smart Resume Analyzer & Optimizer

Personal Project

Cape Coral, Florida

Jun 2025 – Aug 2025

- Built a Python tool using spaCy NLP to compare resumes with job descriptions and generate match scores
- Designed a system to generate actionable keyword suggestions for resume improvement, enhancing job alignment

Certifications and Badges

- CS50's Introduction to Programming with Python (HarvardX)
- CS50's Introduction to Artificial Intelligence with Python (HarvardX)
- AI For Everyone: Master the Basics (IBM)
- Introduction to Generative AI (Google Cloud)
- Building Systems with the ChatGPT API (DeepLearning.AI)
- Mulit-Agent Systems with CrewAI (DeepLearning.AI)

ACTIVITIES AND LEADERSHIP

Vassar Men's Basketball - Varsity Team Member(Aug 2021 - Aug 2023)

ColorStack(CS Diversity & Inclusion) - Club Member(Aug 2024 – May 2025)

VC++(Computer Science Club) - Club Member(Aug 2023 – May 2025)

TECHNICAL SKILLS/LANGUAGES

Programming: Java, Python, C++, C, OCaml, Pandas, Scikit-Learn

Tools/Languages: Android Studio, IntelliJ, VSCode, Git, Linux, Firebase, English, Spanish