

Eric Fontes

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EDUCATION

University of Florida

Bachelor of Science in Computer Science

Bachelor of Arts in Mathematics

Certificate - AI Fundamentals and Applications

Gainesville, FL

Expected Graduation: May 2026

GPA: 3.81

Relevant Coursework: Python, Statistics, Fundamentals of Machine Learning, Linear Algebra, Fourier Analysis, Differential Equations, Sets and Logic, Data Structures and Algorithms

TECHNICAL SKILLS

Languages: Python, C++, C, Java, Rust, MATLAB, JavaScript, HTML/CSS, Bash

Frameworks/Libraries: React, NextJS, Node.js, Svelte, PyTorch, pandas, NumPy, Jupyter Notebook

Developer Tools: Git, Github, Linux, Visual Studio, VS Code

EXPERIENCE

Capital One Program Participant

July 2024 – August 2024

Tech Mini Mester

Virtual

- 1 out of 70 exclusively selected to participate in a 5-day immersive experience to enhance technical and soft skills
- Built devfetch, a CLI-based project, and presented in front of Capital One leadership, earning a Top 3 Project recognition
- Participated in a progressive learning experience that involved workshops around Node.js, NPM, and Javascript
- Connected with 8+ Capital One Senior Leadership members and 50+ Capital One Software Engineers to hear about diversity in technology and key tips on how to break into the space

Student Project Lead

March 2024 – May 2024

The Mixtape Engine

Gainesville, FL

- Designed and implemented a static single-page website using SvelteKit and TailwindCSS
- Conducted data parsing on a dataset containing 114,000+ rows using the Papa Parse JS library
- Improved data parsing speed by 300% through data preprocessing and algorithm redesigns
- Managed a team using Git for version control, resolving merge conflicts and handling pull requests to maintain a clean codebase
- Led the development process by coordinating weekly team meetings on Discord

Cofounder

June 2021 – August 2021

Tutoring for Tomorrow

Miami, FL

- Led a program offering math tutoring services to underfunded schools in the Miami-Dade area
- Tutored children from 10+ schools in subjects such as algebra, geometry, precalculus, AP Calculus AB, AP Calculus BC, and AP Statistics
- Designed graphics, flyers, and posters using Canva to market the program

PROJECTS

devfetch | Javascript, Git, oclif, axios

July 2024 – August 2024

- Built a command-line GitHub profile information tool in Javascript using oclif
- Wrote simple installation and usage documentation in markdown format
- Implemented HTTP requests with the axios library to fetch account information
- Presented the project to Capital One leadership and was recognized in the top 3 projects

The Mixtape Engine | Javascript, SvelteKit, TailwindCSS, PapaParse, Git

March 2024 – May 2024

- Developed a web application for data processing using SvelteKit and TailwindCSS for the frontend
- Utilized the Papa Parse library to process a csv dataset with 100,000+ rows
- Generated custom playlists based on user-defined emotional values using a weighted sum model to serve the recommendation system
- Used Spotify's Web API to fetch album art and display song metadata