David Ulloa

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I love computer science, since from nothing, I can build what my imagination and will desires. I hope to change the lives of millions for the better with it, starting with those in my local community of Miami.

Education

Florida International University, Miami, FL   AUG 2022 – AUG 2025

B.S. in Computer Science, H.S. GPA: 3.9 / 4.0

Calculus I & II, Programming I & II, Data Structures, and Discrete Structures finished before Summer 2023.

Projects

www.dulloa.com   MAR 2022

- Designed and built **Next.JS** (React microframework) web application using **Tailwind.CSS** built in the style of the original Macintosh operating system, showcasing my portfolio.

https://park-hopper.vercel.app/   MAY 2022

- Designed and built a frontend **Next.JS** and **Tailwind** web application that queries the National Parks API, allowing users to search for national parks.
- Created for hackathon [PantherHack2022]() (356 participants) and won third place.

SocialFly   SEP 2022

- Designed and built the frontend application for [ShellHacks 2022]() (690 participants) using **Next.JS**, **Tailwind**, and **Graph.JS**, which broke down and displayed Twitter data based on search query.
- Created and trained a **TensorFlow** NLP neural network for sentiment analysis on Twitter tweets. Neural network had a validation accuracy of 93%.

www.MiamiYouthClimateSummit.com   DEC 2021 – MAR 2022

- Worked in a team of designers and interested developers as Co-Director of Website Committee to manage design implementations and the creation of web assets.
- Built **Next.JS** web application built for the Miami Youth Climate Summit, an in-person and online event with over 600 attendees to promote climate change solutions.

Experience

Capital One, Tech Mini-Mester   JUL 2022 – AUG 2022

- Selected & participated in an 8-day immersive experience with Capital One to enhance tech skills, soft skills and mentorship.
- Developed a chatbot using **Python** and web scraping Twitter.
- Completed workshops on Intro to Cloud Computing / Amazon Web Services, Build a NFT Collection, GitHub, Cyber Secure Coding, and others.

Skills

- HTML, CSS, JS
- Python w/ Pandas, NumPy, TensorFlow, SciKit-Learn
- React.JS, Next.JS (frontend)
- Node.JS, Express.JS, NoSQL, SQL (backend)
- Java
- C++