

Felipe Min

Orlando, FL | (954) 802-6025 | felipemin03@gmail.com | [linkedin.com/in/felipe-min/](https://www.linkedin.com/in/felipe-min/) | github.com/xxfmin

EDUCATION

University of Central Florida

Bachelor of Science in Computer Science

Expected Graduation: May 2026

Orlando, FL

Relevant Coursework: Data Structures & Algorithms, Processes for Object Oriented Software Development, Database Systems, Systems Software, Computer Logic and Organization

WORK EXPERIENCE

Intel

May 2024 – August 2024

Offensive Security Researcher - Undergraduate Intern

Remote

- Reduced undetected power side-channel exploits by 40% with C++ instrumentation leveraging Intel RAPL counters.
- Improved power-trace data-collection efficiency by 78% by automating aggregation and preprocessing pipelines with Python scripting.
- Increased detection accuracy by implementing a Python machine learning classifier on runtime power-consumption features.

Intel

May 2023 – July 2023

Hardware Security Research Intern

Atlanta, GA

- Increased malware-classification accuracy by 75% by designing and training machine learning models in Python.
- Cut data-preprocessing time for 12,000+ data points by 40% by streamlining Pandas and Scikit-Learn pipelines, accelerating model training.
- Boosted data-processing speed by 50% by implementing Principal Component Analysis (PCA) while preserving 90% of data variance.

Accenture

August 2022 – December 2022

IT Solutions Architect Intern

Tallahassee, FL

- Designed a Microsoft Teams integration plan for 40,000+ students & faculty at Florida State University by assessing collaboration needs and mapping deployment workflows.
- Researched hybrid learning strategies by partnering with Microsoft leaders, enhancing accessibility and engagement across remote and in-person cohorts.

PROJECTS

Delta Palette | *React, Typescript, Tailwind CSS*

May 2025 – June 2025

- Built an accessibility-first color-palette generator built in Next.js + TypeScript that maximizes perceptual distance in Oklab space to produce clearly distinguishable colors for users with and without color-vision deficiencies.
- Built a real-time preview pipeline with *culori* and color-blind simulation, then exposed a stateless REST API on Vercel Edge Functions to deliver dynamic palettes and side-by-side “normal vs CVD” views.

Odyssey | *React, Typescript, Node.js, MongoDB, Tailwind CSS*

April 2025 – May 2025

- Developed a full-stack, AI-enhanced trip itinerary builder with Next.js and Google Gemini API for personalized day-by-day plans from user preferences and destination data.
- Secured RESTful endpoints and managed sessions via JWT-based authentication and authorization.
- Implemented interactive mapping through Google Maps API and Mongoose expense tracking for route visualization and budget monitoring.

macrofy | *React, TypeScript, Node.js, Express.js, MongoDB*

October 2024 – November 2024

- Developed a full-stack web application that estimates nutritional macros from meal images using AI.
- Integrated OAuth authentication to securely store user preferences and meal logs.
- Designed and implemented RESTful APIs using Express.js and MongoDB to facilitate data retrieval.

TECHNICAL SKILLS

Languages: Javascript, Python, Java, C, C++

Web Development: Next.js, React, Node.js, Typescript, Express.js, Tailwind CSS, MongoDB, MySQL, PHP, Git

Data Science, Machine Learning: NumPy, Matplotlib, Pandas, Scikit-Learn, TensorFlow

Spoken Languages: English, Korean, Portuguese, Spanish