

# Amiel Jeremiah Halili

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## EDUCATION

### Bachelor of Science (B.S.) - Computer Science (Passed Foundation EXAM)

Expected Graduation: December 2025

University of Central Florida, Orlando, FL

GPA: 3.2

- **Coursework:** Data Structures and Algorithms, Discrete Math 1 & 2, Object Oriented Programming, Security in Computing, Computer Logic and Organization, Calculus 3, Physics 2, Systems Software.

### Associate of Arts (A.A.) - Liberal Arts Education (Dual Enrollment)

May 2020 - May 2022

Polk State College, Winter Haven, FL

GPA: 3.5

## SKILLS

- **Languages:** English (fluent), Tagalog (Filipino, conversational) | **Certifications:** TestOut CyberDefense Pro Certification
- **Technical Programming Languages:** C, Java, Python, git, SQL, HTML, CSS, JavaScript, Node, Next.js, React, AWS, C#, PHP

## PROJECTS

### EcoSense – Knight Hacks UCF 2024 (1<sup>st</sup> Place) (Sep 2024)

**Languages:** JavaScript, React, CSS, Next.js, Firebase, Clerk, Pinecone

- **Accomplished** the development of a prototype dashboard app as measured by winning 1st place at Knight Hacks 2024 by leading a team of 4 to integrate IoT, real-time data, OpenAI, and Retrieval-Augmented Generation (RAG) for personalized energy insights.
- **Increased** user energy efficiency by 25% through automation solutions and compliance with energy regulations, resulting in maximal cost savings for homeowners.

### DermaDetect – HackUSF 2025 (April 2025)

**Stack & Architectures:** React, Python, Pytorch, JS, TensorFlow, Flask, CNN, LLM

- **Led** a team in engineering a web-based medical AI tool that achieved 80% classification accuracy in identifying benign vs. malignant skin lesions using a CNN and clinical data. Integrated an OpenAI-powered LLM to deliver personalized, context-aware responses based on user medical history, enhancing diagnostic support and user understanding.

### User Contact Manager (Jan 2025 - Feb 2025)

**Languages:** HTML, CSS, JavaScript, AWS LightSail, LAMP stack (PHP & MySQL)

- **Accomplished** the development of a full-stack contact management web app as measured by reducing debugging time by 30% by implementing a RESTful API with secure authentication and integrating Bruno for API documentation.
- **Improved** search efficiency by 20% through optimized database queries and real-time contact management.

### Whooga Frontend & Geospatial Databases (Jan 2025 - Present)

**Languages:** Express, Node.js, React, PostgreSQL, PostGIS, QGIS

- **Researched** and applied scalable geospatial databases to enable location-based features to products and searching in proximity of cities for a person-to-person ecommerce platform. Working on user-friendly frontend for efficient and informative product view, including real-time availability and location data.

### Wander Travel Itinerary and Journal (Jan 2024 - Present)

**Languages:** MERN stack (MongoDB, Express, React, Node.js)

- Developing a full-stack site that helps users find a community-based itinerary based on a location. Worked on frontend development that allows users to plan and journal their experiences when traveling.

### Shell Guide – Shell Hacks FIU 2024 (Sep 2024)

**Languages:** HTML, CSS, JavaScript, AWS

- **Led** a team for the creation of an AI-powered itinerary generator as measured by reducing travel planning time by 40% by conducting a team of 3 in a 36-hour hackathon. Integrated OpenAI API and Google Maps API to optimize routes, resulting in a 30% improvement in travel efficiency for users.

## Leadership Experience

### EXCEL: Learning Living Community at UCF | Member

August 2022 - May 2023

- **Selected** to join a specialized program focused on STEM student success, which provided access to tutoring, mentorship, and collaborative learning opportunities.
- **Promoted** STEM education by increasing student retention rates through providing tutoring, discipline, and early exposure to research opportunities.

### Dance Teams: Filipino Student Association: Fresh Off the Beat | Komodo | Vietnamese American Student Association: Cultural August 2022 - November 2024

- **Accomplished** the organization of cultural dance performances by increasing team participation and recruitment through competitive dance team and collaborating with peers to teach and perform diverse cultural dances.

### AJENCY Dance Team | Founding Member

January 2023 - August 2024

- **Managed** an amateur dance team and worked with peers to teach and perform dances, I was able to increase team participation and successfully organize ethnic dance events.

### Chikin Coop Gaming | Peak Pinoys Gaming

August 2022 - May 2024

- **Managed** a recreational and competitive esports team improving team rankings organizing and leading strategic gameplay sessions, demonstrating adaptability and teamwork in fast-paced environments.