

Andrew Chuang Saladin

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EDUCATION

University of Florida

Gainesville, FL

B.S. Computer Science, Math (GPA: 3.90)

2027

- Coursework: Data Structures & Algorithms, SWE, Advanced Programming, NLP, Computer Organization, Linear Algebra
- Organizations: Society of Asian Scientists and Engineers (SASE), Google Developer Group, Honors Program, University Research Scholars, University Math Society

SKILLS

Languages: TypeScript / JavaScript, C++ , Python, Java, Rust, C#, SQL, HTML/CSS

Frameworks / Libraries: React, React Native, Node.js / Express, FastAPI, Hono, Astro, .NET, Tailwind, TensorFlow, Next.js

Tools / Platforms: Git, Jira, Firebase, Turso, GCP, AWS, Supabase, Docker, Gemini API, DevTools, Bun, Expo, Figma

INVOLVEMENT

SASE Web Development Team

Gainesville, FL

Fullstack Developer

Jan 2025 – Present

- Developing a platform to help unite and organize over 1,000 asian scientists and engineers on a team using Agile practices and TypeScript, React Query, Tanstack, Tailwind, Hono, and Turso
- Implemented APIs for user authentication, user management, and event management

Google Developer Group

Gainesville, FL

Technical Lead

Aug 2025 – Present

- Delivering workshops on Google developer products including Google Cloud Platform, Flutter, browser extensions, and Gemini
- Spearheading a team of ~20 students to develop multiple campus-driven apps through weekly scrums

3D Osteology Games Development and Research

Gainesville, FL

Undergraduate Researcher

Jan 2025 – May 2025

- Developed 3D anatomy games under Dr. Barmpoutis using assets from the DeLeon Lab to engage K-5 students in osteology
- Used Unity, C#/.NET, Figma to implement database functions and an immersive 3D model viewer

PROJECTS

Fitted

Sep 2025—Present

- Developing a fashion discovery platform using React, Express, and PostgreSQL, featuring OAuth 2.0 authentication and a digital closet to create outfit collages using the StockX API
- Engineering a semantic recommendation engine with OpenAI CLIP for multimodal embeddings and pgvector for vector database indexing

CodeBlue — Clinical Trial Engagement Platform

Sep 2025

- Developed full-stack cross-platform application using React Native, FastAPI, and Firebase to combat clinical trials dropouts
- Implemented multi-agent AI assistant using LangChain's DeepAgents and Gemini for 24/7 patient support and automated trial timeline generation via a fine-tuned MedGemma-27B model

WCA Sum of Ranks

Apr 2025

- Developed a web-app frontend using Javascript, Express, Chart.js to visualize ranks of Rubik's Cube competitors
- Used 1,000,000+ data points from the WCA API to compute an improved Sum of Ranks metric in a C++ backend and analyzed performance of QuickSort and MergeSort

Dragoman — Language Learning Video Chats

Jan 2025

- Developed a peer-to-peer video web app to connect language learners worldwide using Node.js, Express, Socket.io, and WebRTC, enabling users to practice with native speakers by pairing them in randomized rooms
- Integrated Gemini API for personalized translation and Web Speech API for real-time speech-to-text, breaking language barriers

NOTABLE AWARDS

Awards: MOS World Championship 1st Place PowerPoint, MOS World Championship 2nd Place Excel, Samsung SFT Finalist

Certifications: IT Specialist: Python, IT Specialist: JavaScript, IT Specialist: Java, MS Excel Expert, MS Word Expert, Autodesk Inventor, CompTIA IT Fundamentals+