Oliver Jen

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EDUCATION

University of Florida **May 2027**
Bachelor of Science in Computer Science *GPA: 3.92/4.0*

- **Relevant Coursework**: Data Structures and Algorithms, Operating Systems, Software Engineering, Computer Organization, Computational Linear Algebra, Discrete Structures, Algorithms Abstraction and Design, Natural Language Processing

EXPERIENCE

JPMorgan Chase June 2026 —
Software Engineering Intern *Tampa, FL*

- Starting in June 2026.

Ribit Technologies May 2025 – October 2025
Lead Software Engineer *Remote*

- Developed a medium distance ride-sharing app on iOS with React Native and Expo, facilitating over 50 rides
- Secured $25,000 in pre-seed funding through technical demos, funding ongoing app development and marketing
- Implemented Supabase OTP authentication and SQL-based role management supporting up to 10,000 users

Stanford University April 2025 – June 2025
Section Leader *Stanford, CA*

- Instructed Stanford's Code in Place CS106A course to students globally, taken by 20,000+ students
- Taught Python to 15 students in weekly discussion sessions by using beginner-friendly libraries to simplify concepts

Machine Intelligence Lab May 2024 – August 2024
Undergraduate Researcher *Gainesville, FL*

- Achieved 83% mean average precision on 10,000 labeled underwater images using YOLOv7, applying color-contrast enhancement for blue-green tint correction and image mirroring to improve real-time object detection accuracy
- Increased system safety by cutting temperature-related failures by over $20\times$ via custom ROS alarm node

PROJECTS

Semantic Search System

- Built a multimodal semantic search system, integrating HNSW-based ANN indexing and OpenAI embeddings
- Optimized for semantic cache hits and reducing redundant GPT API calls, leading to an 25x overall speadup

Minecraft Speedrun Swap

- Developed a Minecraft Forge mod with 20+ downloads that swaps the active speedrunner with another player
- Implemented real-time player state tracking and a matchmaking queue system to ensure fair swaps

ShellHacks'25

- Developed a full-stack application that utilized AI voice agents improving timely reminders and engagement
- Engineering responsive layouts with TypeScript and deployed the application using Docker containers

EXTRACURRICULARS

Google Developer Student Club 2023 – Present
Management Leadership of Tomorrow 2025 – Present

TECHNICAL SKILLS

Languages: Python, Java, C++, C#, Swift, JavaScript, TypeScript, SQL, MATLAB
Frameworks & Libraries: React, Flask, PyTest, JUnit, SKlearn, PyTorch, Pandas, Catch2
Databases: SQLite, MongoDB, Firebase, Supabase
Tools: Vercel, Docker, Git, GitHub, Postman, Figma