Golden Lin

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EDUCATION

UNIVERSITY OF CENTRAL FLORIDA | GPA: 3.963   Orlando, FL
Bachelor of Science in Computer Science   *May 2026*
- **Relevant Coursework**: Data Structures & Algorithms, Object Oriented Programming, Software Engineering, AI, Linear Algebra, Theory of Computation, System Software, Discrete, Calculus 3, Computer Organization
- **Awards**: Best First Hackathon Project at Knight Hacks (700+ participants), President's Honor Roll (3x)

SKILLS

Programming Languages: JavaScript, Python, C/C++, PHP, SQL, Dart, Java, HTML/CSS
Framework/Tools: Django, Next, Express, Flutter, React, Node.js, Redis, MongoDB, TypeScript, Git, Docker, Celery

PROFESSIONAL EXPERIENCE

Amazon | *Software Development Engineer Intern* | Santa Cruz, CA   *May 2025 - August 2025*

UCF Center for Distributed Learning | *Software Engineer Intern* | Orlando, FL   *April 2024 - Present*
- Played a key role in **modernizing** a **13-year-old**, **23,000+ line** codebase by migrating UCF's Materia **backend** from **FuelPHP to Django**; implemented **RESTful API** endpoints to enhance maintainability and functionality
- Developed and maintained applications with a team serving **60,000+** students and faculty with **Git** and **Docker**
- Created an **interactive**, **accessible game** for teachers to test and students to learn tree traversal **algorithms** (BFS, DFS) using **React**, HTML Canvas, **PHP**, **object-oriented programming**, algorithms, and linear algebra
- Led 2 other people to create "Lunch Buddies", a web app to help students find peers to sit with during meals
  - Implemented **real-time group chats** using **Django Channels WebSockets** with **Redis** and **Docker**
  - Designed **RESTful API** endpoints, documented with Postman, and integrated with **React** frontend

UCF Programming Team ⊙ **|** *Team Member* **|** Orlando, FL   *September 2022- September 2023*
- **Ranked 13th out of 119** teams at **ICPC North America South East Regionals** 2023, Division 2
- Dedicated 20+ hours weekly in mastering advanced data structures and algorithms in **Python**, **C++**, and **Java**
- **Mentored** 8 peers in rigorous topics (**dynamic programming**, **graph theory**), assisting with debugging errors

PROJECTS

Day Tune ⊙ | Django, Next, Redis, Docker, Figma, Postman, TypeScript, Git
Full-Stack Developer   *July 2024 - Present*
- **Led a team of 3** to develop a website that helps users achieve their goals through journaling and scheduling
- Implemented **secure authentication** system with **OAuth**, **JWT** token refreshing, **email code verification**, registration, and **password reset** functionality using **Django** and **Next.js** for **frontend** designs
- Designed and developed efficient **RESTful APIs** using **Django** for **complex nested data structures**, **optimizing daily scheduling** and **goal-tracking** endpoints; documented APIs with Postman
- Engineered **task system** for **automated data management** and **notifications** using **Celery** with **Redis**

Dev Fusion 🔗 ⊙ | Express, MongoDB, Postman, Flutter, Dart, Node.js, Git
API Developer and Mobile Developer   *May 2024 - August 2024*
- **Led a team of 5** in mobile development, delegating tasks and building responsive UI components with **Flutter**
- Optimized **project query speed** by **90%** through **lazy loading** implementation in **Express.js** and **MongoDB**
- Developed and documented **RESTful APIs** for managing projects using **SwaggerHub** and **Postman**
- Collaborated with 6 people to create a **mobile/web app** connecting programmers for project collaboration

Golden Games ⊙ | Django, JavaScript
Website Creator   *September 2021- December 2022*
- Developed **games** for **50+ high school students**, including **Minesweeper**, **Connect 4**, **Hangman**, **Stack Up**
- Built a responsive web app using **Django** and **JavaScript**, featuring community interactions, scores, bugs
- Implemented a Reddit-style **comment system**, sorting comments by likes, using **BFS** as part of the algorithm