

Alexander Klein

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EDUCATION

University of Florida, College of Engineering

Gainesville, FL

Bachelors of Science in Computer Science, Minor in Economics **GPA: 4.00**

Relevant Courses: Programming Fundamentals 1&2 (Python/C++), Applications of Discrete Structures

PROJECTS

Gym Link | *React Native, JavaScript, Firebase*

May 2023 – Present

- Developed a mobile app using React Native and Firebase to create a Tinder-style platform for gym-goers
- Integrated Firebase Email/Password Authentication to enable user sign-up through secure user registration and data storage

Minesweeper | *C++*

July 2023 – August 2023

- Reimagined the popular logic puzzle game utilizing an original UI
- Employed the SFML library for texture loading and C/C++ on the backend

Sudoku Generator | *Python*

March 2023 – May 2023

- Spearheaded a team in the development of a Python-based Sudoku Generator
- Collaborated via GitHub, utilizing version control, pull requests, and code reviews to ensure high-quality code and successful project delivery

EXPERIENCE

Lifeguard 2

October 2021 — June 2022

City of Coral Springs

Coral Springs, FL

- Maintained an incident-free record by ensuring the safety of patrons in swimming and fitness facilities
- Conducted swim lessons for individuals of varying skill levels with a **96%** improvement rate
- Worked collaboratively with a team of lifeguards to maintain a safe and enjoyable environment

Lifeguard & Swim Instructor

May 2021 — September 2021

Jeff Ellis Management

Tamarac, FL

- Maintained vigilance by consistently scanning swimmer protection zones to maintain the E&A 10/20 Protection Rule
- Conducted swim lessons for children of varying skill levels within an age range of 3-10
- Led a team of lifeguards in varying crews to uphold a safe environment

SKILLS

Languages: Python, C++, JavaScript

Frameworks: React Native

Developer Tools: Git, Firebase

Certifications: Fusion 360, Adobe Photoshop CC 2015

LEADERSHIP & EXTRACURRICULAR

Secretary | UF Association of Computer Machinery — Managed ACM website and organized professional, social, and technical events for **1600+** members.

Member | UF Open Source Club — Devised new projects and collaborated on club endeavors.

Class President | J.P. Taravella HS — Raised **\$3,000+** for J.P. Taravella High School through extensive fundraising.