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** · August 2022 – May 2026

Relevant Courses: Data Structures and Algorithms, Programming Fundamentals 1&2 (Python/C++)

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 registration and data storage

Personal Website | *HTML, CSS, JavaScript* · August 2023
- Produced a dynamic e-portfolio using a blend of HTML, CSS, and JavaScript, adeptly showcasing personal projects, involvements, and achievements
- Employed Git for hosting on GitHub Pages and smooth version control to enable streamlined project management

Minesweeper | *C++* · July 2023 – August 2023
- Reimagined the popular logic puzzle game utilizing an original UI
- Employed the SFML library for textures 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 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++, HTML, CSS, JavaScript
Frameworks: React Native
Developer Tools: Git, Firebase, Visual Studio Code, CLion, PyCharm
Certifications: Fusion 360, Adobe Photoshop CC 2015

LEADERSHIP & EXTRACURRICULAR

Secretary | UF Association of Computer Machinery — Managed ACM website, organized room bookings, and coordinated professional, social, and technical events for **1800+ 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.