

# Alexander Klein

[alexandergeorgeklein@gmail.com](mailto:alexandergeorgeklein@gmail.com) | [linkedin.com/in/alexanderkleins](https://www.linkedin.com/in/alexanderkleins)  
[github.com/a1exanderklein](https://github.com/a1exanderklein) | 954-501-8368

## 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

### 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

## LEADERSHIP & EXTRACURRICULAR

---

**Secretary** | UF Association of Computer Machinery — Managed website, pioneered a club newsletter for **250+** recipients, and coordinated professional, social, and technical events for **1900+ members**.

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

**Member** | Florida Club Swim Team — Participated in FCST events.

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