# Alec Rothenberg

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## EDUCATION

**Bachelor of Science in Computer Science**, University of Florida, Gainesville, Florida          05/2024
Minor in Engineering Innovation, Artificial Intelligence Certificate          GPA: 3.45/4.0
Engineering Leadership Circle Member  (Honor Society)

## PROJECTS

**Birds Eye Security – JavaScript (React, Node.js, Express, PostgreSQL)**
- As a member of a multidisciplinary Hacking 4 Defense team, worked with the U.S. Space Force to create a customized security program for an ESS project manager
- Over the course of the Fall 2022 semester, conducted 30 interviews to expand on the problem and conduct market research on the product while in development
- Built a custom alarm logging application to decrease repetitive tasks performed by alarm console operators and on base management while working in an Agile development environment on a team of four developers and one project manager

## TECHNICAL EXPERIENCE

**Software Engineering Intern,** *Lutron Electronics*          05/2023 – 08/2023
- Championed the end-to-end design of a new data exportation feature for the Lutron data reporting dashboard by utilizing newly released functionality of Amazon Web Services
- Developed the energy exportation feature using Golang, Python, and AWS services (Lambda, S3, Timestream, etc.)
- Developed diagrams and documentation on the full-scale design of my feature as well as documented the utility of new AWS features for further use

**Co-Founder,** *FarmPal*          10/2022 – 04/2023
- Created a business model based around IoT sensors and machine learning decisions to increase horticulture farmers irrigation efficiency
- Competed and placed second in the UF AI Days Gator Tank and received $8,000 to move forward with research and development
- Serve as the technology lead on a team comprised of business and horticulture students

**IBM Accelerate Program**          06/2022 – 08/2022
- Over the course of eight weeks, developed an interactive website using React and Node.js
- Experienced full stack web development at a major corporation, learning Agile development skills as well as cloud native development

## LEADERSHIP EXPERIENCE

**Vice-President,** *Lambda Chi Alpha*          11/2022 – Present
- Oversee the internal day-to-day operations of the chapter, including but not limited to, new members, internal events, and chapter academics
- Responsible for putting on 10+ brotherhood events a semester such as mental health retreats, field days, and various team building activities

**Outreach Director,** *Freshman Leadership Engineering Group*          05/2021 – 05/2022
- Led a committee of 10 responsible for designing and executing 1-2 events per month focused on community service
- Mentored members in leadership and interpersonal communication skills to enhance and grow the confidence required to lead and present to both the committee as well as the rest of the organization
- Raised more than $800 dollars for local organizations such as animal shelters and cancer support groups

**Recruitment Director**, *Freshman Leadership Engineering Group*          05/2021 – 05/2022
- Led a committee of focused on planning recruitment events in both virtual and in-person settings
- Executed nine recruitment events, reaching over 250 students
- Collaborated with several other engineering student organizations to plan joint events

***Technical Skills*** *- C++, Go, Python, Git, JavaScript (React, Node.js)*