

# Alexander Winkler

[alexwinkler1@icloud.com](mailto:alexwinkler1@icloud.com) | <https://ailothh.github.io/website2/>

## EDUCATION

---

### Eastern Florida State

*Bachelor of Applied Science in Software Development*

Melbourne, FL

*May 2021– December 2025*

### Presidential List

*Jan. 2024– Present*

## EXPERIENCE

---

### Police Officer

Jan. 2022– Jan. 2023

*City of Rockledge*

- Worked seamlessly with colleagues and external agencies, maintaining clear communication and contributing to efficient, precise outcomes.
- Led emergency responses, demonstrating the ability to take charge, guide teams, and produce detailed, precise reports to ensure thorough documentation.
- Clearly conveyed information during high-pressure situations, ensuring accurate decision-making and precise reporting

## PROJECTS

---

### Weather Satellite | *Python, React, Javascript, HTML, CSS*

- Led and collaborated with a team of 3 classmates, guiding the project through all stages, from initial requirements to debugging
- Integrated OpenWeather **API** to retrieve current weather conditions for various locations, providing real-time data such as temperature, wind speed while leveraging the units parameter to display the information in the user's preferred system (knots, mph, m/s), ensuring a personalized and dynamic experience.
- Independently re-architected the application, transitioning from a desktop-based solution built with **Python** and **Tkinter** to a modern **React.js** frontend, leveraging **JavaScript**, **HTML**, and **CSS** to enhance scalability, user interface, overall performance, and developing a fully-responsive mobile interface for seamless cross-platform use.

### DiceRoll Analytics Engine | *Javascript, HTML/CSS*

- Efficiently implemented event listeners and dynamically updated HTML elements with JavaScript.
- Created an interactive table that dynamically displays updated frequencies and percentages from the dice rolls.
- Integrated dynamic image updates for each dice roll, providing immediate, visual feedback based on the generated results.

## TECHNICAL SKILLS

---

**Languages:** Java, Python, C++, JavaScript, HTML/CSS,

**Frameworks:** React, Node.js,

**Developer Tools:** Git, VS Code, Eclipse

**Libraries:** Particles.JS