


ALEXANDER WINKLER

 [Linkedin](#)

 [Portfolio](#)

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 Alexwinkler1@icloud.com

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, SQL, Kotlin

Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio, Netbeans, SQLite, MongoDB, Git

Technologies/Frameworks: Vercel, GitHub, React, React.js

Education

Eastern Florida State

May. 2021 – Aug. 2025

Bachelor of Applied Science in Software Development

Melbourne, FL

- Degree GPA 4.0

Experience

Police Officer

Jan. 2022 – Jan. 2023

City of Rockledge

Rockledge, FL

- Led emergency responses, demonstrating the ability to take charge and produce detailed precise reports to ensure thorough documentation.
- Clearly conveyed information during high-pressure situations, ensuring accurate decision-making and precise reporting

Teaching Assistant

Jan. 2025 – May 2025

Android App Development

Melbourne, FL

- Assisted students in debugging code in Kotlin and provided advice on mobile app programming projects and assignments.

Projects

Amazon Employee Search Tool | *Vercel, Python, SQLite, React, Javascript*

[Link](#)

- Alerted AWS to active phone numbers and emails of **high-level** employees in the 2023 breach, leading to immediate action.
- Leveraged **SQLite** to process **1.1M+** records for real-time queries integrated with **React**
- Streamlined data processing from Excel to **Parquet** for risk assessment

UAV Specs Explorer | *React, Javascript, Git Pages, CSS/HTML*

[Link](#)

- Leveraged **Wikimedia API** to aggregate and parse technical specifications of military drones and satellites into structured datasets.
- Capable of searching **13,000+** drones and retrieving **15+** specifications per query.

Weather Satellite | *Python, React, Javascript, Git Pages, HTML/CSS*

[Link](#)

- Fulfilled the positions of **PM** and **Tech Lead** by managing a team of 3 developers and guiding from initial requirements to debugging.
- Redesigned a Python/Tkinter desktop app into a scalable React.js frontend with **OpenWeather API** integration and full mobile compatibility.

Ethical Scraper | *Python, SQLite*

[Link](#)

- Aggregated user posts containing sensitive PII from malicious forums, storing **10k+** unique records.
- Parsed 1k+ pages using **BeautifulSoup** and **regex**, extracting usernames and sensitive data.
- Managed session persistence and cookies across **500+** requests for continuous data collection.

Portfolio | *React, Javascript, HTML/CSS, Git pages*

[Link](#)

- Personal portfolio site in React with mobile compatibility and dynamic **Particle.js** background.