ALEXANDER WINKLER

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Education

Eastern Florida State   May. 2021 – Dec. 2025
Bachelor of Applied Science in Software Development   *Melbourne, FL*
- Deg. GPA 4.0

Experience

City of Rockledge   Jan. 2022 – Jan. 2023
Police Officer   *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

UAV Specs Explorer | *React, Javascript, Git Pages, CSS/HTML*   **Link**
- Leveraged Wikipedia 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**
- Stores 10k+ unique records in SQLite, ensuring data integrity and eliminating duplicates efficiently.
- Capable of parsing 1k+ pages achieved with BeautifulSoup and regex combined with data validation mechanisms
- Capable of maintaining session persistence and managing cookies across 500+ requests to sustain login states.

Portfolio | *React, Javascript, HTML/CSS, Git pages*   **Link**
- Personal portfolio site in React with mobile compatibility and dynamic Particle.js background

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, SQL, Kotlin
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio, Netbeams, SQLite, MongoDB
Technologies/Frameworks: GitHub, React, React.js

Relevant Coursework

- Software Methodology
- Data Structures/Algorithms
- Info System operations
- Systems Analysis