

# Jacob Franklin

(617) 610-9586 • jsf02468@gmail.com • linkedin.com/jacobfranklin14 • github.com/JakeFranklin14

## SUMMARY

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Senior Computer Science major at Brandeis University with a passion for building intuitive and engaging user interfaces. Experienced in frontend development using React, React Native, and modern web technologies. Strong foundation in software engineering principles, UI/UX design, and cross-platform application development. Adept at problem-solving, collaborating in agile environments, and delivering seamless user experiences.

## EDUCATION

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### B.A. in Computer Science

Aug '21 - May '25

Brandeis University | Waltham, Massachusetts

Minor in Theater Arts

GPA: 3.66 (Dean's list for 5 semesters)

Relevant Coursework: Problem Solving in Python, Advanced Programming Techniques in Java, Data Structures and Algorithms, Mobile Application Development, Information Visualization, Operating Systems, Computer Security, Software Entrepreneurship

## WORK EXPERIENCE

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### App Developer Intern

Oct '24 - Present

Swift Alert LLC | Remote

- Worked on a small team of 5 to develop Taylor Swift and Sabrina Carpenter related applications
- Used React Native to improve upon and create new features, such as an anonymous confession forum to improve user experience and user engagement
- Wrote numerous features that could handle over 600,000 users storing and reading data simultaneously

### Software Developer Intern

May '24 - Aug '24

SharkNinja | Needham, Massachusetts

- Developed a tailored web dashboard for app developers to efficiently manage and modify over 150 datapoints for connected devices using React Typescript
- Fetched data using custom built API methods to get and set datapoints which gave developers a more user friendly experience ensuring easier and more efficient testing
- Implemented device specific features, such as live robot location and map view for dozens of robot vacuums
- Optimized internal testing reducing developer workload by 5 minutes per datapoint change of the robot

## PROJECTS

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### Custom React Native Camera App

Jul '23 - Jul '23

- Created a mobile camera application with more advanced information than other existing applications using react native
- Implemented location, device information, and weather to provide live metadata to the user

### Mini Adventure Game

Sep '22 - Dec '22

- Developed an interactive adventure game using Python and Tkinter, implementing a state-driven gameplay system with dictionaries.
- Designed a simple user interface that engages players through dynamic choices, number-based challenges, and win/loss scenarios. Integrated randomization for unpredictable outcomes, enhancing replayability.

## SKILLS

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**Programming:** React Native, React, JavaScript, TypeScript, HTML, CSS, Java, Python

**Software:** VS Code, Eclipse, Tableau, Microsoft Office Suite