

# Anthony Previte

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A versatile full-stack developer proficient in building comprehensive iOS applications and dynamic web experiences. My expertise spans visual design, front-end development, robust back-end systems, and seamless database integration, ensuring high quality and impactful digital solutions.

## SKILLS

**Languages:** Swift, Javascript/Typescript, HTML, CSS, SQL, Python  
**Frameworks:** SwiftUI, React, Next.js  
**API Design/Concepts:** RESTful APIs  
**Tools:** Git, Figma

## WORK EXPERIENCE

- Software Engineering Intern**  
Raytheon

Jun 2024 - Aug 2024  
Marlborough, MA

  - Enhanced error handling in C-based CLI digital receiver exciter diagnostic tests, improving system reliability.
  - Designed and created a MATLAB GUI to replace the existing CLI, improving operational efficiency and user accessibility.
  - Operated within the Linux operating system.
  - Managed source code versions using both ClearCase and Git.
- Electrical Engineering Intern**  
Raytheon


Jun 2023 - Aug 2023  
Tewksbury, MA

  - Designed Circuit Card Assembly (CCA) schematics utilizing Xpedition Designer that interacted with waveform generation.
  - Executed CCA diagnostic tests in controlled lab environments along with radar systems.
  - Developed and FPGA firmware using VHDL for hardware functionalities.
  - Obtained security clearance.
- Business Consultant Intern**  
Empatix Consulting

May 2022 - Aug 2022  
Andover, MA


  - Conducted in depth secondary research on clients and industry trends.
  - Supported client engagement by participating in and summarizing interviews and calls.
  - Facilitated group discussions and compiled comprehensive written reports.
  - Designed and deployed online surveys using Qualtrics and Recollective, gathering data from diverse participant groups to support client analyses.

## PROJECTS

- Chip Count Poker** 


May 2025 - Jun 2025

Developed and launched 'Chip Count Poker' on the Apple App Store, a reliable poker profit tracker featuring persistent data storage via Core Data.

  - Swift, SwiftUI
- Jersey Collection** 

May 2025 - Jun 2025

Engineered a full stack e-commerce styled website for dynamically storing and managing hockey jersey collections, implementing search, filter, and sort functionalities. Developed an administrative interface for content management (create/delete).

  - Typescript, React, Next.js, PostgreSQL, Supabase
- Cool Routes** 

Aug 2024 - May 2025

Developed a mobile pedestrian navigation web application 'Cool Routes' with a 3 person team, enabling users in Worcester, MA to identify thermally comfortable walking routes. Features a custom made Rest API that leverages ArcGIS routing tools.

  - Javascript, React, Next.js, Python, Flask
- International Consulting Project, London**

Jan 2024 - May 2024

Conducted research and analysis to develop recommendations for enhancing employee volunteering schemes, collaborating directly with Merton Connected and a 3 person team. Engaged diverse stakeholders, from companies offering programs to the organizations recruiting volunteers, through interviews, surveys, and observations to gather holistic data.

## EDUCATION

- Bachelor of Sciences in Computer Science**

Aug 2021 - May 2025



Worcester Polytechnic Institute (WPI)

GPA: 3.9

  - Graduated with High Distinction
  - Minor in Electrical and Computer Engineering
  - Dean's List (Fall 2021, Spring 2022, Fall 2023, Fall 2024)
  - Captain of varsity soccer and club hockey teams
  - 3x NEWMAC Academic All-Conference (Soccer)

PUBLICATIONS

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<b>Advancing Climate Resilience in Worcester Through a 'Cool Routes' Pedestrian Navigation Application</b>  on <b>WPI</b> Publication associated with the 'Cool Routes' project.	<b>Apr 2025</b>
<b>Promoting Employee Volunteering Schemes in Merton</b>  on <b>WPI</b> Publication associated with the 'International Consulting Project, London' project.	<b>Apr 2024</b>