

# Samuel Marchetti



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## Summary

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- Second-year Computer Engineering student at the University of Ottawa with a strong focus on software development and hardware integration. I enjoy creating innovative software solutions using a variety of technologies for progressive web applications, mobile apps and IOT devices.

## Projects

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- **React Dashboard**
  - Designed and implemented a real-time React dashboard using Next.js, showcasing dynamic information retrieved from IOT devices in a 4 person team.
- **React Mobile App**
  - Constructed a React Native mobile application specialized for tabletop games, featuring an intuitive interface for tracking players' life points, for IOS and Android.
- **Home assistant Automation**
  - Integrated IOT devices within my home using Home Assistant and Docker, establishing WiFi connections for remote control via mobile devices.

## Technical Skills

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- Proficient in complex algorithms and data structures, progressive web development, and Agile development methodology.
  - **Programming:** Javascript, Java, Python, HTML+CSS
  - **Backend:** Firebase, NodeJS, SQL
  - **Tools and Frameworks:** Git, React, Figma, React Native, Tailwind, Next.js, Docker

## Education

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- Second-year Computer Engineering student at the University of Ottawa. (2026)
- Achieved a 9.2 CGPA.

## Extracurriculars

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- **Coding With Mosh Certification (2022)**
  - Completed 2 comprehensive online courses on React and Git, gaining proficiency in app and web development, and advanced skills in version control.
- **First Robotics (2021-2022)**
  - Engineered and crafted a precision ball launcher using CAD software, showcasing skills in design and development.
- **Competitive hockey (2016-2022)**
  - Demonstrated leadership and teamwork throughout the season from competitive games.

## Work Experience

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- **Technician, Mr. Lube (2023)**
  - Developed an automated schedule maker for the team to optimize employee hours.
  - Provided exemplary customer service marked by in-depth technical knowledge.
- **Website programmer, BEECO (2020-2021)**
  - Created and managed the company website to drive promotion and boost sales.

(References available on request)