

# Abdo Nayfeh

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## SUMMARY

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Fourth-year Honors Mathematics student at the University of Waterloo with a passion for software development and engineering. Equipped with strong problem-solving skills, proficiency in various programming languages, and a solid understanding of key computer science concepts including algorithms, data structures, and object-oriented software development. Seeking an internship opportunity to leverage theoretical knowledge in practical software development projects.

## EDUCATION

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**University of Waterloo**, Honors Bachelor of Mathematics

*Relevant Coursework:* Elementary Algorithm Design and Data Abstraction, Data Types and Structures, Tools and Techniques for Software Development, Object-Oriented Software Development, Management Information Systems, Applications Software Engineering.

**Juno College of Technology**

*Accelerated JavaScript:* Fundamentals of programming using JavaScript, including REST APIs and asynchronous JavaScript.

*Web Development Fundamentals:* HTML, CSS, responsive design, SCSS, flexbox, CSS grid, web accessibility, and best practices for modern web development.

## PROJECTS

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**RootsKeeper** Kotlin, IntelliJ IDEA, Gradle, JUnit

[Link to Demo](#)

RootsKeeper is an intuitive and feature-rich app designed to help users preserve and share their family history for future generations. With RootsKeeper, you can easily create and maintain a comprehensive family tree, store detailed profiles of individual relatives, and explore your ancestry with ease.

**Watopoly** C++, Git, Pair Programming, Visual Studio Code

[Link to Demo](#)

C++ variant of the classic board game Monopoly set on the University of Waterloo campus. Leveraged object-oriented programming principles to design and implement game mechanics, including player movement, property ownership, auctions, and financial transactions.

**MealFinder** HTML/CSS, JavaScript, React, Node.js, APIs

[Link to Demo](#)

An interactive web application that utilizes the MealDB API to provide users with recipe suggestions based on specified ingredients or categories. Implemented features include dynamic search functionality, detailed recipe displays, and the ability to save favorite recipes for future reference.

**FitWorks** HTML/CSS, JavaScript, Mailchimp

[Link to Demo](#)

Converted provided designs into functional web pages, integrating clean code, semantic HTML, CSS components, and responsive design techniques. Integrated Mailchimp for user sign-up functionality and personalized email marketing campaigns.

## SKILLS

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**Languages**

C/C++, Python, JavaScript, HTML/CSS

**Tools and Technologies**

React, Node.js, Firebase, Docker, Git, Visual Studio Code, Bash