

# Dimitar Atanassov

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## Skills

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**Languages** Python, C, C++, HTML, CSS, JavaScript  
**Software/Tools** Git, GitHub, GitLab, Bash, Valgrind, OpenCV, Visual Studio Code, CLion, MS Office

## Projects

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**LED Music Visualizer | Arduino / C++ | [refer to GitHub](#)** *Sep. – Nov. 2020*

- Developed a music visualization device using an Arduino microprocessor, a Spectrum Shield, and an attached individually-addressable LED strip
- Implemented multiple features including the ability for the LEDs to instantaneously react to inputted music while offering a plethora of settings selected by the user to maximize the user experience
- Employed both GitLab & GitHub as a VCS to facilitate integration of code by different team members
- Overcame many unforeseen obstacles (prov. lockdown, limited hardware supplies etc.) through adaptability, patience, problem-solving and effective management of time/supplies in order to deliver the product on time

**Personal Website | HTML, CSS, JavaScript | [refer to GitHub](#)** *Jan. 2021*

- Coded a website from using HTML, CSS, and JavaScript to present myself, my interests, projects I have completed and goals I'm striving to achieve
- Currently broadening my knowledge of JavaScript to increase responsiveness/interactivity of the website and so I can better tackle learning new frameworks and technologies such as AJAX, Node.js, and React

**Financial Simulator Game | Unity, C# | [refer to GitHub](#)** *Jan. 2020*

- Worked effectively in a group to develop a financial simulator game unveiled at my high school's DECA Ambition Conference 2020 attended by over 100 people

## Experience

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**One Step Forward Tutoring Services Inc. | One-on-one Tutor (part-time)** Mississauga, ON | *Oct. - March 2020*

- Taught Math, Chemistry, Physics, and English for Grades 1 – 12 and always received positive reviews from parents, especially for my punctuality, knowledge of the subjects, and dedication

**Goodness Me Natural Food Market | Grocer (part-time)** Mississauga, ON | *July 2019 – Sept. 2020*

- Organized back-stock, stocked shelves, checked for expiring products and was frequently praised for my attentiveness which saved the company money by minimizing the quantity of expired products taking up space and maximizing the presentation of products
- Maintained various data logs pertaining to upcoming expiry dates, quantity of products on each shelf etc. to ensure a more efficient undertaking of future tasks
- Assisted customers while maintaining a professional attitude, multi-tasking, and using quick decision-making to maintain and uplift the company and staff's reputation and public perception
- Adapted to workplace responsibilities and learned the importance of strong communication and tenacity

## Education

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**University of Waterloo** Waterloo, ON | *Sep. 2020 - April 2025*

*Bachelor of Software Engineering (Co-op)* **3.96 GPA / 92 %**

Relevant coursework includes: Introduction to Programming Principles (C), Data Abstraction and Implementation (C++), Software Engineering, Linear Algebra

## Accomplishments

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- University of Waterloo **President's Scholarship of Distinction** (\$2,500+) for a Grade 12 I.B. program average of **98%**
- **Honors Roll** at St. Francis Xavier Secondary School I.B. program (2016-2020)
- **Top third** of CCC (Canadian Computing Competition) 2020 **Senior Division** contestants