

# DYLAN GOODMAN

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[Website](#) ♦ [GitHub](#) ♦ [Linkedin](#)

## EDUCATION

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### Languages

- C, Java, Python, MySQL, Javascript, HTML/CSS, Bash, LaTeX, Assembly

### Tools/Skills

- Git, Bash, Gradle, JUnit, VirtualBox, Swing, Microsoft Office, Adobe Photoshop, Adobe After Effects

## EDUCATION

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### Bachelor of Computing, Computer Science (Co-op)

Sept 2019-Present

*University of Guelph*

*Guelph, ON*

- Minor in Philosophy
- Overall GPA: 85.838

### Key Courses

Winter 2021

- *Software System Development & Integration* (92%) - Used MySQL, Javascript, HTML/CSS, Node.js and C to create a website & server that allows for uploading, downloading, editing & creation of GPX files
- *Analysis & Design of Computer Algorithms* (97%) - Used C to create an optimal binary search tree, find inversions of a given text file, compute the extreme points of a convex hull & more
- *Operating Systems* (88%) - Used C to emulate the Bash shell, simulate contiguous memory allocation, solve the dining philosophers problem, simulate processes & more

## EXPERIENCE

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### Software Developer

May 3rd 2021 - present

*Maffle LLC*

*Toronto, ON*

- Creating a desktop application that provides common digital tools (messaging, file transferring, image storing/editing), while prioritizing security, speed and simplicity
- Implementing 3D/2D game development, network protocols, integration of C libraries (audio/video codecs etc.), interface design, cryptography, multi-platform compatibility etc. throughout the work term
- Learn more about the project at [Maffle.com](#)

### Barista

July 2018 - October 2018

*Boba Bubble Tea*

*Toronto, ON*

- Improved ability to perform in a fast paced/high pressure environment that prioritizes customer satisfaction
- Learned to work with a team to overcome difficult situations and communicate quickly and effectively
- Trained new employees to utilize and maintain a recipe database

### Math/English Tutor

July 2018 - October 2018

*Personally employed*

*Toronto, ON*

- Developed communication/teaching skills by aiding a high-school student in mathematical concepts and essay writing
- Taught organizational skills and strategies for managing multiple courses in stressful situations

## EXTRA-CURRICULAR

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### Table Tennis

2015-2019

*Malvern Collegiate Institute*

*Toronto, ON*

- Acted as team captain for two years, facilitating improvements, dictating drills & practice as well as motivating team members
- Personally finished fourth in the Toronto District School Board for Table Tennis in final year

### CEMC Math Contests

2015-2019

*Malvern Collegiate Institute*

*Toronto, ON*

- Participated in Fryer, Galois, Hypatia & Euclid written contests
- Developed ability to think critically & rationally under time pressure

### CEMC Coding Competition

2019

*Malvern Collegiate Institute*

*Toronto, ON*

- Programmed in Java to solve a question involving prime numbers under a time & efficiency limit

### Don Mills Programming Gala

2019

*Don Mills Collegiate Institute*

*Toronto, ON*

- Pair programmed in Java with another student to solve a series of problems under a time limit

### Debate Team

2018

*Malvern Collegiate Institute*

*Toronto, ON*

- Collaborated with another student to develop, present and defend arguments of given topics
- Developed ability to think critically, develop concise arguments and communicate with a team

## ACHIEVEMENTS

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### Computer Science Award

2019

*Malvern Collegiate Institute*

*Toronto, ON*

- Awarded to one student with the highest Computer Science GPA in their final year

### Table Tennis MVP

2016-2019

*Malvern Collegiate Institute*

*Toronto, ON*

- Received in grades 10, 11 & 12 for performing well & being a team leader

## PROJECTS

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### Rogue Game

September 2020 - December 2020

*Java*

- Used Java to build a Rogue-like game that reads map & item information from a series of JSON files
- Implemented JUnit testing, serialization for saving game state, interfaces for consumable & wearable items, object inheritance & abstraction

### Personal Website

December 2020

*HTML/CSS*

- Recently added "Book Review" section
- Hosted directly from my personal repository using GitHub Pages
- Access my website [here](#)