
Christopher Montgomery

Full-Stack Software Development

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SUMMARY

Computer science student at Western University eager to gain real world experience in the industry. Grounded in object-oriented design and UI/UX principles, with a focus on building functional high-quality software.

TECHNICAL SKILLS

- Microsoft Office, Git/Github, Command line, SSH, CI/CD pipelines
- **AI:** Cursor, Claude, Gemini, NotebookLM, BlackBox AI
- **Languages:** Python, C++, C#, C, Java, Node.js, JavaScript/HTML/CSS, Unix, Lua, RISC/ARMassembly, SQL
- **IDEs:** Visual Studio, Visual Studio code, Eclipse, Unity, Unreal, MatLab, PyCharm, PlayDate Development Engine, BlueJ, Arduino, Google Antigravity, PICO-8

Link to GitHub: <https://github.com/Chris-O-Montgomery>

LinkedIn: <https://www.linkedin.com/in/christopher-montgomery42/>

EDUCATION

Bachelor of Computer Science - Minor in Video Game Development

The University of Western University, London, ON

September 2023 - April 2027 (Expected)

- 4th year student, current 75% average
- Member of the Video Game Development club
- Player on the Ultimate Frisbee Varsity Team

Selected Coursework: Computer Science Fundamentals I & II, Intro To Computer Organization and Architecture, Applied Logic For Computer Science, Data Structures & Algorithms, Software Tools & System Programming, Intro To Software Engineering, Discrete Structures For Computing, Operating Systems, Object-Oriented Design & Analysis, Computer Networks I, Analysis of Algorithms I, Introduction to A.I., Computer Graphics I, Calculus I, Linear Algebra I, Data Science Concepts

Dual Dogwood Diploma -French Immersion

Handsworth Secondary School, North Vancouver, BC

September 2018 - June 2023 (Graduation)

- Member of the Ultimate Frisbee team. Grades 8-12
Member of the Ultimate Frisbee club team Canyon 2023-2024

EXPERIENCE

Byte Camp Education Society- Lead Instructor

Multi-program computer camp focused on teaching ages 9-14, July 2026 - August 2026

- Served as the Lead instructor for camps of up to 20 children
- Byte camp offers camps in courses such as 2D/3D game design, Introduction to coding, Foundations in AI and Introduction to Python.
- Worked with programs such as: Blender, Godot, InkScape, LMMS, Kdenlive and Scratux
- Worked to teach kids object-oriented principles, video game design, proper coding habits and AI foundations.

Permaformer- Developer

Personal game project based around platforming and permeation, April 2026

- Developed in the PICO-8 game development engine using the Lua and C Languages
- Analysed game design principles to create environments, sprites, music and SFX
- Strong emphasis on restricted memory allocation
- Available on GitHub linked [here](#)

Intro to Software Engineering Group Project- Project Manager

Academic group project (85%), created a tomogachi esque pet simulator, Jan 2025 - May 2025

- Acted as project manager in a group of 5
- Main record keeper for group meetings
- Created, updated and maintained the group GitHub Wiki
- Designated roles based on member capability
- Helped group members with code to ensure compatibility
- Worked on the parental controls security and tutorial instructions
- Created using Java, Java FX, and Java swing

Western Engineering Competition 2025- Lead Coder

Academic competition, Senior Design category, Nov 2025

- The challenge was to push styrofoam balls from one sandbox to another across a gap of water with only the supplies given. (Arduino, breadboard, 4 wheels, hot glue, 2 plastic bottles, wires and 2 batteries)
- Worked with a group of 4
- Acted as lead coder and physical debugger
- Helped teammates on physical construction
- Coded in C++ using the Arduino IDE

ADDITIONAL INFORMATION

Unity Engine Skills: Coding Knowledge, Navigating Unity Engine

Vancouver Film School, Vancouver, BC, Fall 2022

Western Game Development Society

Western University, London, ON, 2025

Red Cross First Aid Certification

Vancouver, BC, Summer 2018, Winter 2021, Summer 2026

Snowboard Instructor Certification

Vancouver, BC, Winter 2021

Beginning of Undergraduate Record

2023 Fall/Winter

Program:	Faculty of Science				
Plan:	Bachelor of Science Four Year Program				
	Science				
<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
CALCULUS	1500A	CALCULUS I FOR MATH SCIENCES	0.50	0.50	066
COMPSCI	1026A	COMP SCI FUNDAMENTALS I	0.50	0.50	086
COMPSCI	1027B	COMP SCI FUNDAMENTALS II	0.50	0.50	073
DATASCI	1000A	DATA SCIENCE CONCEPTS	0.50	0.50	072
FILM	1022	INTRODUCTION TO FILM STUDIES	1.00	1.00	080
MATH	1600B	LINEAR ALGEBRA I	0.50	0.50	069
MIT	1050B	NAVIGATING OUR MEDIA LANDSCAPE	0.50	0.50	067
PSYCHOL	1002A	PSYCHOLOGY AS NATURAL SCIENCE	0.50	0.50	073
PSYCHOL	1003B	PSYCHOLOGY AS A SOCIAL SCIENCE	0.50	0.50	064

2024 Fall/Winter

Program:	Faculty of Science				
Plan:	Bachelor of Science Four Year Program				
Plan:	Major in Computer Science				
Plan:	Minor in Game Development				
<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
ASTRONOM	2022A	THE ORIGIN OF THE UNIVERSE	0.50	0.50	068
COMPSCI	2208B	INTRO TO COMP ORG & ARCHITECT	0.50	0.50	067
COMPSCI	2209B	APPLIED LOGIC FOR COMP SCI	0.50	0.50	069
COMPSCI	2210A	DATA STRUCTURES & ALGORITHMS	0.50	0.50	077
COMPSCI	2211A	SFTWR TOOLS & SYSTEMS PRGRMING	0.50	0.50	075
COMPSCI	2212B	INTRO TO SOFTWARE ENGINEERING	0.50	0.50	069
COMPSCI	2214A	DISCRETE STRUCTURES FOR CMP	0.50	0.50	069
DIGICOMM	2200G	SOCIAL NETWORKING	0.50	0.50	064
MUSIC	2703A	INTRODUCTION TO HIP HOP	0.50	0.50	071
PSYCHOL	2020B	DRUGS & BEHAVIOR	0.50	0.50	078

2025 Fall/Winter

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Plan:	Major in Computer Science				
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<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COMPSCI	3305A	OPERATING SYSTEMS	0.50	0.50	079
COMPSCI	3307A	OBJECT-ORIENTD DESGN & ANALYSIS	0.50	0.50	070
COMPSCI	3340B	ANALYSIS OF ALGORITHMS I	0.50	0.50	060
COMPSCI	3346B	INTRODUCTION TO A.I.	0.50	0.50	070
COMPSCI	3357A	COMPUTER NETWORKS I	0.50	0.50	080
COMPSCI	3388B	COMPUTER GRAPHICS I	0.50	0.50	082
DIGICOMM	3206G	VIDEO GAME CULTURE	0.50	0.50	084
FILM	3357G	SCIENCE FICTION CINEMA	0.50	0.50	073
HISTORY	2181A	SEXUAL HISTORY	0.50	0.50	081
WRITING	2101F	EXPOSITORY WRITING	0.50	0.50	070

Scholarships and Grants

2023 Western Admission Scholarship

End of **Western University Unofficial Transcript**