

Alba Zalli

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EDUCATION

University of Waterloo

Sep. 2025 – April 2030

Honours Bachelor of Computer Science | **79.84% Average**

Relevant Coursework: Functional and Imperative Programming, Linear Algebra, Calculus, Technical Writing, Shell Usage and Scripting

PROJECTS

Sea Slug Microaquarium | *Godot, GDScript, GDShader, Krita*

July 2026

- Implemented sea slug swimming with 2D skeletal animations and movement logic modeled after real sea slugs
- Built an encyclopedia UI component displaying reusable species data and integrating with spawn logic
- Designed visual assets in Krita, used open-source shaders, and created mockups to strengthen visual design

Writing Portfolio | *React, Vercel, TypeScript, Tailwind CSS, WordPress, SQL*

May 2026

- Hosted portfolio on Vercel with a headless WordPress backend to store and manage content
- Developed persistent visitor guestbook using Supabase to store and retrieve submissions

WORK EXPERIENCE

Junior IT Technician

May 2026 - Aug. 2026

University of Waterloo

- Maintained audio-visual systems in 130+ classrooms across campus, collaborating with professors and IT staff
- Troubleshoot system issues with computers, projectors, and speakers under time-sensitive conditions

Youth Program Instructor

June 2023 - Aug. 2025

YMCA of Three Rivers

- Coordinated and supervised activities for groups of 20+ elementary-aged children with differing needs

VOLUNTEER EXPERIENCE

Youth Mental Health Ambassador

Sep. 2021 – Aug. 2024

Canadian Mental Health Association

- Collaborated with Member of Parliament Lloyd Longfield to draft a mental health road map for queer youth
- Served as a keynote speaker for two years at the Guelph mental health conference alongside provincial politicians

SELECTED PUBLISHED WORK

Wellington Advertiser: Writer for OpenMind column with 40,000+ monthly prints

July 2024 – Jan. 2025

Exclamation Point Literary Magazine: “Makeup Tutorial for Beginners”

June 2026

UWaterloo mathNEWS: “Places I Have Seen Angels In The Last Three Years”

Jan. 2026

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, TypeScript, JavaScript, GDScript, HTML/CSS, SQL

Frameworks & Platforms: React, Tailwind CSS, Godot, Supabase, Vercel, WordPress

Tools: Git, GitHub, Linux, Bash, VS Code, Jira, LaTeX, Krita

Spoken Languages: French (B2 Certification), English, Albanian

AWARDS

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| • National Center for Women & Information Technology (NCWIT) Regional Award Winner | 2025, 2024 |
| • MusicFest National Music Competition Gold Placement | 2024, 2023 |
| • Harmony Movement Social Changemaker Award | 2024 |