

SOFTWARE DEVELOPER

Ethan Wright

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SUMMARY

Enthusiastic 4th year Computer Science student with a passion for software development and a solid foundation in programming concepts. Completed a 12-month co-op placement, gaining hands-on experience in real-world projects. Eager to contribute technical skills and a strong work ethic to innovative software projects.

EDUCATION

Computer Science, Bachelor of Science (4th year), University of Victoria, Victoria, BC
7.86/9.0 GPA

SKILLS

LANGUAGES	TOOLS	WEB	DATABASES	OS
Java, C#, Python, C(++)	Git, JetBrains, Azure Dev-Ops, VSCode	Javascript	MySQL, Postgres	Linux (bash), Windows (cmd & powershell), macOS (zsh)

WORK EXPERIENCE

CO-OP SOFTWARE ENGINEER | ZETRON | VICTORIA, BC | SEPT 2022 - AUG 2023

- Collaborated within an **Agile Scrum** team of 5-8 developers participating in stand-up, backlog refinement, sprint review, sprint planning, etc. using **Azure Dev-Ops** to enhance the Cascade product.
- Responsibilities included producing new features; developing in-house tools; improving unit, integration, and end-to-end testing; bug resolution; and documentation.
- Contributed to and led the design, implementation, and testing of numerous new customer facing features encompassing the full stack of **Java**, **C++**, and microcontrollers deployed on a dedicated **Linux** device.
- Participated in the end-to-end development process of an in-house calibration tool within a **C# .NET** environment, from initial requirements gathering to the successful delivery of the finished product.
- Designed and implemented end-to-end automated tests which included writing device drivers for various pieces of radio test equipment including spectrum analyzers, scopes, and power sensors using **pytest** and SCIPY VISA connections.
- Led the development of a containerized **CI/CD** build process for a legacy product version using **Docker** and **Azure Container Registry**.
- Routinely configured new devices and troubleshoot firewall rules in a protected network for remote access.
- Trusted to assist in the onboarding process for new developers.
- Participated in code reviews and provided constructive feedback to peers.

PROJECTS

BESPOKE | CURRENT

Currently working on a team of 2 developing a daily journal app using **Swift** and **Xcode**.

Technologies used: Swift UI, Firebase, Google O'Auth.

GRAPHICS ASSIGNMENT

Created an original graphics scene in **OpenGL** and a **Java** ray-tracer as part of course completion.

Technologies used: Javascript, OpenGL, Java.

REFERENCES

David Munroe | Software Manager | david.munroe@zetron.com

Dave Jarvis | Senior Software Engineer | dave.jarvis@zetron.com

AWARDS

UVIC EXCELLENCE IN MATH SCHOLARSHIP

Awarded for high score on University of Waterloo's Euclid math contest.

UVIC FACULTY OF ENGINEERING DEAN'S ENTRANCE SCHOLARSHIP