

# Aidan Wilson

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## EDUCATION

### UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTER SCIENCE, HONORS

April 2021 | Waterloo, Ontario, Canada

## EXPERIENCE

### BEHAVIOUR INTERACTIVE | GAME PROGRAMMER

May 2020 – Aug 2020 | Waterloo, ON

- Worked on the massively popular online game Dead by Daylight, top 20 most played game on Steam
- Made extensive performance improvements to menus used by millions of monthly players by investigating the UI engine, scaleform, and performing reworks on problem areas.
- Provided bug support before releases, working on all areas of the game such as UI, Gameplay, Engine
- Developed new menus and HUD with their accompanying functionality, such as new settings options, ,

### ESCRYPT | EMBEDDED SECURITY INTERN

May 2020 – Aug 2020 | Waterloo, ON

- Worked with an experienced team developing a custom hardware security module (HSM) for a major automotive manufacturer
- Created thorough unit tests using C-Unity and CMock to ensure quality and traceability when delivering features
- Developed low level code in C for microcontrollers, rigorously following MISRA C guidelines for security, portability, and reliability
- Participated in design discussions ensuring our strategy meets the specs of the project

### DOZR | SOFTWARE ENGINEER INTERN

Sept 2019 – Dec 2019 | Kitchener, ON

- Implemented new features in node.js for the DOZR backend and the construction equipment rental management system
- Developed an invoicing micro-service which automated the creation and maintenance of all invoice data
- Advanced involvement in data modeling decisions around the implementation and modification of features such as add-to-cart, equipment quotes, contracts, invoices, and orders
- Optimized inefficient mongoose queries by utilizing standard MongoDB principles, increasing speed of many requests on the rental management system by up to 100%

### VEEVA | FULL STACK ENGINEER INTERN

Jan 2019 – April 2019 | Toronto, ON

- Responsible for deployments and infrastructure of Web2PDF on AWS
- Implemented first stages of a new logged-in experience web app for Web2PDF with React frontend and node.js/express backend
- Developed new features and improvements to the core PDF creation engine
- Assisted PMs with design choices using extensive knowledge on the product from a previous work term at Veeva
- Produced the authoritative sources of documentation for architecture and technical details of Web2PDF

### VEEVA | AUTOMATION ENGINEER INTERN

April 2018 – Aug 2018 | Toronto, ON

- Managed, created and maintained all test cases and testing suites for the Web2PDF product
- Increased automation coverage by over 50% for Web2PDF
- Implemented new automation testing suites from scratch for UI (Selenium) and performance testing
- Worked closely with developers and project managers to steer this beta product towards success

## SKILLS

**LANGUAGES:** JavaScript, C, C++, ActionScript, Java, Python, Bash

**TECHNOLOGY:** Node.js, AWS, React, SQL, MongoDB, GDB, Git, Automotive Microcontrollers,  $\LaTeX$ , Flash, Selenium