Aidan Wilson

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EDUCATION

University of Waterloo   **Waterloo, Ontario, Canada**
Bachelor of Computer Science, Honors   *April 2021*

EXPERIENCE

Behaviour Interactive   **Montreal, QC**
Game Programmer   *Sept 2020 - Dec 2020*
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Escrypt   **Waterloo, ON**
Embedded Security Developer   *May 2020 - Aug 2020*
- Developed low level code in C for automotive microcontrollers, rigorously following MISRA C guidelines for security, portability, and reliability. Implemented the timer functions for a port of the product to SPC58C microcontrollers.
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- 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
- Participated in design discussions ensuring our strategy meets the specs of the project

Dozr   **Kitchener, ON**
Software Engineer   *Sept 2019 - Dec 2019*
- 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   **Toronto, ON**
Full Stack Engineer   *Jan 2019 - April 2019*
- Developed new features and improvements to the core PDF creation engine of the Web2PDF project. Produced a 50% reduction in customer PDF creation issues.
- Implemented first stages of a new logged-in experience web app for Web2PDF with React frontend and node.js and express backend. Produced authoritative architecture documentation for implemention details of the new web app.
- Responsible for deployments and infrastructure of Web2PDF on AWS.

Veeva   **Toronto, ON**
Automation Engineer   *April 2018 - Aug 2018*
- Managed, created and maintained all test cases and testing suites for the Web2PDF product.
- Implemented new automation testing suites from scratch for UI (Selenium) and performance testing. Increased automation coverage by over 50% in existing test suites.

PROJECTS

Amazing Project 1   *Aug 2017 - Present*
- Ran custom Minecraft mods on CentOS and Debian servers

Amazing Project 2   *Feb 2016 – May 2017*
- Began a group to create the first 36 hour student-run hackathon ever held at Illinois

SKILLS

Languages: JavaScript, C, C++, Java, Python, Bash, HTML/CSS
Technology: Node.js, AWS, React, SQL, MongoDB, GDB, Git, Automotive Microcontrollers, LaTeX