

Craig Loewen

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WORK EXPERIENCE

Microsoft, Redmond, WA

Principal Product Manager

Aug 2018 - Present

- Product owner for Windows Subsystem for Linux (WSL), a core Windows developer platform used by 5M+ developers and IT professionals worldwide, as well as other developer features in the Windows operating system
- Built a multi-year product vision for WSL and other developer features on Windows, synthesizing market data and in product telemetry to meet customer needs and grow WSL to a key enterprise developer tool
- Redefined Windows' long term product strategy for Linux by shipping WSL, and WSL container allowing Windows applications to run Linux code as part of their regular workflow for AI and cloud local scenarios
- Led a major backend architecture transition to switch to use virtualization and Microsoft built Linux kernel, achieving 100% Linux system call compatibility and delivering 20x file system performance improvements
- Collaborated across organizations in Microsoft to design and ship flagship platform features, including Linux GUI app support, and enterprise support via partner products such as Microsoft Defender for Endpoint, Intune, and more.
- Owned team success metrics and OKRs, and led initiatives to drive impact and measure it, such as shipping new features, speaking at conferences worldwide, and creating online content and tutorials for marketing new features
- Inventor on an approved patent for an AI powered Windows clipboard, programming the working prototype in C# and receiving external media coverage from the Verge and Windows central as a positive AI-first OS experience

Product Manager Intern, Microsoft

May 2017 - Aug 2017

- Wrote functional specifications for six features on Windows Console to improve keyboard shortcut usage, user interface, and telemetry, and worked with design, accessibility, and core engineering teams to drive implementation.
- Proposed and implemented a change in default console colors for Windows Operating system based on customer feedback, resulting in an article being featured in technology news website 'The Verge' to showcase changes.

General Motors, Saint Catharines, ON

Process Engineering Student

Sep 2016 – Dec 2016

- Implemented a camera to automatically recognize and sort defects using optical recognition software and PLC logic.
- Created a readable quality report program from OEM custom machine code in C#, improving engineering efficiency.

Siemens, Konstanz, Germany

Quality Engineering Student

Jan 2016 – Apr 2016

- Designed and built a new tool calibration system and device to reduce calibration time by 40%
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EDUCATION

Bachelor of Applied Science, Mechatronics Engineering, University of Waterloo

Sep 2013 - May 2018

- Co-operative program, management sciences option, graduated ranked 1st in class of 110 engineering students
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TECHNICAL PROJECTS

WatVision, watvision.github.io

Sep 2017 - May 2018

- Created an open source product that allowed any visually impaired person to use any touch screen with the aid of a smartphone, developed using Java and OpenCV image processing
 - Won the national James Dyson 2018 award for Canada and the General Motors innovation award
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SKILLS AND INTERESTS

Skills: C#, C, C++, Java, JavaScript, Python, Rust, MATLAB, SQL, AI, Machine Learning, product strategy, API architecture

Languages: Advanced in Korean, and conversational in French and German