Stew Esho
stewardesho@gmail.com

Education

University of Toronto   **09/07/2017 - 04/30/2022**
Toronto, Ontario, Canada
Honours Bachelor of Science with High Distinction
Computer Science Major, Mathematics Minor · **3.58 GPA**

Experience

Software Engineer Meta Platforms Inc.   **08/01/2022 - present**
Bellevue, WA, United States
Tech: C++, GLSL, Vulkan, Python

- Worked on Meta Quest 2, Meta Quest Pro, Meta Quest 3, and Meta Quest 3S virtual reality headsets
- Maintained and developed new features for a proprietary VR rendering engine using C++ and Vulkan.
- Led project that extended system-loading architecture to support immersive visuals while maintaining quick load times
- Collaborated with technical artists on creating GLSL shaders to support requested rendering techniques
- Created memory profiling tools with C++, Python, and ImGui to aid developers

Software Developer Ford Motor Company of Canada   **06/07/2021 - 08/27/2021**
(Remote) Waterloo, Ontario, Canada
Tech: C++, Python, MQTT

- Developed software to run on Mustang Mach-E and F-150 Lightning electric vehicles
- Improved KPIs by co-creating C++ / Python libraries to move services out of frontend
- Designed a high-speed library wrapping MQTT pub/sub network message protocol
- Wrote Python scripts to automate C++ code generation
- Refactored codebase using TDD and SOLID principles

Software Developer, Gameplay Uken Games   **05/04/2020 - 04/30/2021**
(Remote) Toronto, Ontario, Canada
Tech: C#, Unity

- C#, Unity developer on mobile games "Jeopardy! Words" and "Ava's Manor"
- Deployed features and fixes for products that reached millions of users daily
- Made codebase easier to unit test via "dependency injection" design pattern
- Created new in-game power ups to drive revenue growth through microtransactions
- Integrated social media features to improve daily active users (DAU) by about 10%

Web Developer Red Piston Inc.   **06/17/2019 - 08/30/2019**
Windsor, Ontario, Canada
Tech: HTML, CSS, JavaScript, PHP

- Coded custom WordPress plugins and themes from scratch using PHP and Javascript
- Created WordPress site from ground-up for local business, updating to fit client's needs
- Maintained websites for clients like Lowe's Canada with thousands of monthly visitors