RYAN HUARD

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http://ryanhuard.ca

Technical Skills

- Skilled with C, C#, C++, Java, Javascript, and Python programming
- Experienced in ASP.NET web development
- Exposed to Android and Universal Windows Platform application development
- Accomplished with automation and scripting in PowerShell
- Experienced with SQL development on various database management systems

Academics

UNIVERSITY OF ALBERTA, Edmonton, AB   2013-2018

Bachelor of Science in Computer Engineering Nanoscale Systems Design Option, Co-op stream

- Cumulative GPA of 3.8/4.0
- APEGA Past President's Medal in Computer Engineering

Work Experience

INTEL CORPORATION, Vancouver, BC   June 2018 – Present

Embedded Firmware Engineer

- Develop embedded firmware for Solid State Drives as part of the Non-Volatile Memory Solutions Group
- Design unit and integration tests for embedded firmware systems
- Validate and bring up new SKUs by executing test plans, recording results, and fixing issues that arise

QUESTIONMARK COMPUTING, Edmonton, AB   May – December 2017

Junior .NET Developer

- Developed ASP.NET backend in C# to process and serve requests for the content authoring tool
- Wrote user interface components in HTML, javascript, and ASP.NET razor templates to provide a pleasant user experience
- Executed penetration tests to validate the security of the authoring tool and protect customers from malicious actors
- Performed quality assurance of stories completed by authoring team
- Maintained authoring tool with bug and security fixes

GENERAL DYNAMICS MISSION SYSTEMS CANADA, Calgary, AB   January – August 2016
Development and Systems Integration Student
- Maintained and extended legacy C++ utilities for flashing firmware onto embedded systems
- Redesigned and implemented a C and C++ console for interfacing with devices
- Gained experience in writing and debugging embedded networking systems
- Developed a suite of scripts and utilities in PowerShell to automate firmware integration and regression tests
- Worked closely with the Systems Integration team to develop tests for new firmware modules

CANADIAN NATIONAL RAILWAY, Edmonton, AB   May – August 2015
Database Development Intern
- Worked with Microsoft Access, Microsoft SQL Server, and IBM Netezza data warehouse to create datasets relevant to business needs
- Generated reports on rail network traffic and customer interactions with SQL and Excel
- Automated processes and reports with PowerShell and VBA

Community Involvement
Computer Engineering Club   September 2016 – May 2018
Vice President Social
- Organized the HackED Fall (2016-2017) and HackED (2016-2018) hackathons to help students develop project portfolios
- Launched a series of weekly social coding events to help lower year students develop personal projects with mentorship from more advanced students
- Coordinated various social events to bring together the computer engineering student body
- Managed social networking pages to keep students informed of computer engineering club events

Hobbies
- Personal coding projects can be found on my GitHub page: https://github.com/Loonman
- Compete in hackathons and coding competitions
  - Microsoft College Code Competition 2015 1st place, 2017 2nd place
  - HackED 2013-2019, CalgaryHacks 2018 – Participant
  - HackED Beta 2017 – Winner
- Enjoy tabletop board gaming including Dungeons & Dragons and Magic the Gathering

REFERENCES AVAILABLE UPON REQUEST