

Noah Kruiper

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🏠 Ottawa, ON & Kelowna, BC

Skills & Highlights

Languages

- Java, C, Python, SQL, VB(A), Bash/shell, VHDL

Systems

- Windows, GNU/Linux, macOS, Android, z/OS

Development

- JetBrains, Eclipse, Visual Studio, SQL Server & Management Studio, Matlab, Quartus
- Various change management and version control systems: e.g. Git, Microsoft TFS, and BMC Remedy
- Experienced with QA: testing, writing, automation

General

- Comfortable with large datasets and data analytics (TensorFlow, Pandas, relational databases)
- Systems thinking, analysis and automation skills
- Adaptable; skilled trouble-shooter and problem-solver

Recent Projects

Engineering Capstone - *CycleFlow*

github.com/squircle/cycleflow (4-person team)

Assisting cyclists by transmitting real-time traffic signal information via Bluetooth. The data can be accessed automatically using a handlebar-mounted smartphone running our mobile app (or any app that implements our open protocol).

Dynamic Video Game AI - *JimmyNewTron*

github.com/xenago/JimmyNewTron (2-person team)

Tron is a simple 2-player Snake-style game, where players try to avoid collisions with walls and each other. JimmyNewTron supports training a neural network model as an opponent.

Spreadsheet Neural Network - *SheetComplete*

github.com/squircle/sheetcomplete (2-person team)

Inspired by Photoshop's Content-Aware Fill, SheetComplete employs machine learning to approximate missing data in empty cells in spreadsheets.

Experience

Cloud Infrastructure Specialist

PeopleInsight HR Analytics

- Spring 2018 - Present
- Engaged in ongoing effort to build resilience of critical systems and improve core infrastructure
 - Working with large datasets, performing analysis/processing/automation to clean up client data
 - Deployed office network with multiple security levels and wireless access points

Software QA Analyst (Co-op)

Global Affairs Canada, EICS-II Project

- Fall 2017
- Worked on the quality assurance team for the Export/Import Controls System II project
 - Contributed to manual testing, test case writing, and performance test automation tasks
 - Performed testing of Oracle Siebel CRM platform as well as client-facing .NET web interface on multiple platforms, including mobile

Foundation Systems Programmer (Co-op)

Shared Services Canada, Mainframe Operations Division

- Winter 2017 & Summer 2016
- Worked with IBM Mainframe systems/interfaces (both ISPF & UNIX shell), including writing JCL and working on a master image of RedHat Linux for System Z (used as part of an email system)
 - Exposed to enterprise-scale project planning, change management, and development
 - Reconfigured system logging to improve efficiency with log streams; patched ISPF login to resolve security risk; performed APF updates

Formal Education

Fall 2014 - Spring 2019

B.ASc., Computer Engineering (*University of Ottawa*)