JACOB KNARR

GUELPH, ON | JACOBKNARR@GMAIL.COM |519-215-3123

OBJECTIVE

I am University of Guelph Computer Science student seeking an internship position to continue honing my computer skills in the programing field.

SKILLS

- Fluent languages; C, Java, Python, Fortran, HTML, XML, PHP, R, and SQL
- Well versed with Integrated Development Environments (IDE) such as NetBeans, R Studio, Android Studio, and text editors such as Atom, Sublime, and Nano
- Version control experience using Git, GitHub, and GitLab
- Project management experience using Redmine
- Experience with Agile and Waterfall development processes
- Experienced with the debugger GDB, and the memory analyzer Valgrind
- Comfortable working in different operating systems including Windows XP/7/8/10, various Linux distributions, and OS X
- Experience with Microsoft programs such as Word, Excel, and PowerPoint
- Experience with Google applications such as Drive, Sheets, Docs, and Diagrams
- Detail oriented, self motivating, and ability to self manage
- Good judgement, conflict resolution, problem-solving, and decision-making skills
- Mathematical aptitudes, well rounded in Calculus, Physics, Algorithms, and Statistics
- Good communication skills, both oral and written
- Ability to maintain confidentiality
- Ability to work independently and in a team

EDUCATION

Bachelor of Computer Science with a Minor in Mathematics
University of Guelph, Guelph ON September 2015 - present

- College of Physical & Engineering Science Dean's Honours List recipient each semester
- Object Oriented Programming, Data Structures, Algorithms, and Software Engineering

Centre Dufferin District High School, Shelburne ON Graduate June 2014

- Ontario Secondary School Diploma
- Honour Roll recipient ever year of grade school
- Presented the 2014 Sir Isaac Newton Exam Award by the University of Waterloo for placing in the top 34%

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WORK EXPERIENCE

Stamping Associate – Inspection (Student Position) May 2017 – September 2017
Initial term in 2016 and rehired for the 2017 term as well. May 2016 – September 2016
Honda of Canada Manufacturing, Alliston ON

- Assessed the quality of raw metal vehicle panels, through visual and tool inspection
- High pace work environment, 3000-5000 parts per day
- Prepared work environment for the upcoming panel, set jigs and tools, and changed holders within the multi-tonne press
- Supported many overtime shifts, accumulating on average 75 hours over 4 months, inspecting parts that were potentially faulty

Manufacturing Associate – Engine Assembly (Contract) December 2014 – August 2015
Honda of Canada Manufacturing, Alliston ON

- Collaborated in daily group meetings of about 20 people, discussing previous shifts production standings, and the current work shifts schedule and safety
- Completed diverse and frequent task rotations, maintaining line speed (a new engine every 56 seconds), while notifying superiors of issues with parts and/or machines
- Worked with HCM's New Model division to standardize the upcoming model's operation standards (Part installation guide for the 2.0L engine of the 2016 Honda Civic)

PROJECTS

Hackathons

- Delta Hacks IV
    - Participated in a 24-hour 'code for change' event in a team of 4
    - The event's goal was to develop a software tool to help others in their daily lives
    - Our idea was to reduce waste and improve individual's health
    - My team developed an Alexa skill and Android Application to find and message the user recipes that could be made with ingredients they had
- Hack Buffalo
    - Participated in a 36-hour coding event in a team of 4
    - Our idea was to gather experience with machine learning by implementing a neural network that could differentiate foreground and background noise
    - Our idea was implemented using convolutional neural network Python and TensorFlow

References available upon request.