Jerridan Quiring

Email: jerridan@gmail.com | GitHub: https://github.com/jerridan | Website: http://jerridan.io

EDUCATION
The University of Western Ontario, London, Ontario
Bachelor of Science, Honours Specialization in Computer Science   2013-2016

TECHNICAL SKILLS
Languages: JavaScript, PHP, C/C++, Java
Web Development: React, AngularJS, Node.js , HTML/Jade, CSS/LESS
Databases: MySQL, Redis
Tools: PHPStorm, Vagrant, Git, DigitalOcean, Amazon S3 & EC2

AWARDS
Julian Davies Silver Medal – The University of Western Ontario   June 2016
- Granted in recognition of work as part of a thesis project, which involved the development of interactive visuals to aid biological and medical researchers in searching for scientific literature

RELEVANT EXPERIENCE
Software Developer Intern
ICOM Productions Inc., Calgary, Alberta   May 2014-August 2015
- Collaborated within a small team to create a mobile-friendly, multi-instance SaaS application with React, allowing employers to create custom webpages of various content types (text, videos, images, quizzes) as an e-learning tool for their employees
- Assisted in the development of a custom, mobile-friendly e-learning site for a single client by creating various quiz modules with AngularJS, including multiple choice, drag-and-drop, and T/F questions
- Received informal training in backend development, namely with Vagrant, Linux, PHP and Node.js
- Actively participated in the welcoming and training of new employees, as well as the interviewing of my replacement
- Created 20+ login modules for companies to access their e-learning courses, using AngularJS and PHP
- Used PHPUnit to create new unit tests and repair existing ones, and remodelled existing code for a large project undergoing continual maintenance
- Worked with a support team on many occasions to diagnose and solve issues for clients

Student Coding Projects
The University of Western Ontario   July 2013-present
- Developed an interactive visual tool to aid researchers in searching through scientific articles in PubMed
  - Part of an ongoing project by Insight Lab, built using AngularJS and D3
- Wrote a client-server file transfer program in C that could scan a specified directory for files and compute their checksums, query a Redis database for a list of files to be uploaded, and upload the specified files to a server
  - Queries to the Redis database were accomplished via a TCP connection
  - File uploads used a UDP-based Stop-and-Wait protocol for reliable file transfer
  - Full program and documentation can be found at: https://github.com/jerridan/hooli_drive
  - Overall achieved grade was 102.5%

- Created a gradebook program in Java with a team of 4 other students as part of a 4-month assignment for a software development course
    - Used technologies such as Git, JUnit, Swing, JasperReports, Jenkins CI, PivotalTracker
- Completed over 10 small Java programs using Eclipse, implementing various data structures such as linked lists, stacks, hash tables, binary search trees, AVL trees, and graphs

Web Development

Elby Professional Recruitment (www.elby.ca)   December 2012-present
- Originally hired as a contractor to aid in the modification of a website built in CakePHP
- To date I have completed a number of various tasks, including adding new webpages, making design changes, optimizing for search engines and introducing a newsletter sign-up
- In 2013, took on the responsibility of regular maintenance of the website
- In 2015, helped with the company's switch to Google Apps, specifically with the changes in email hosting and the transfer of past messages to Gmail
- Moved the website from a Windows server hosted by Namespro to a Linux server hosted by DigitalOcean, in order to allow greater control over the server environment and enable future changes to be made more efficiently

Macrophage Function and Advanced Imaging Laboratory (www.phagocytes.ca)   June-August 2013
- Designed and developed a website for a laboratory at The University of Western Ontario to promote their research, publications, team, and news blog
- Provided maintenance and support from completion through April 2014
- Technologies used include HTML5, SASS, CSS3, WordPress, PHP, Foundation, Turnkey Linux

OTHER EXPERIENCE
Middle School & High School Science Teacher
American Baccalaureate School, Kuwait City, Kuwait   August-June 2011-12
- Prepared and taught two semesters of Grade 11 Environmental Science, one semester of Grade 09 Biology, and one semester of Grade 06 General Science
- Provided personal service to parents by maintaining close contact regarding student progress, and posting all grades and classroom material online
- Supervised students regularly during lunch hours, and assisted students after school

Pricing Analyst
Star Brite Manufacturing, Leamington, Ontario   May-July 2011
- Worked in a team setting to gather information and provide accurate quotes for customers
- Assisted in quoting high revenue products ranging from $500 – $5,000
- Designed Excel spreadsheets to calculate manufacturing costs for a variety of trailers
- Designed and ensured the working maintenance of over 1,000 Excel formulas across multiple spreadsheets
- Gained valuable experience engaging with a new company, with limited resources and short time constraints

REFERENCES AVAILABLE UPON REQUEST