Justin Charles Wong

SOFTWARE ENGINEER

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Experience

MDA *Perl, Moose, PostgreSQL, Bash*

SOFTWARE ENGINEER - AVIATION AUTOMATED CHARTING AND ENCODING (ACE) *November 2018 – Present*

- Designed and implemented solutions to mission-critical customer feature requests, which resulted in new front-end capabilities, and new Aviation charting functionality
- Ported PostgreSQL drivers to customize software compatibility with the customers' requirements, which resulted in faster chart generation times and the replacement of the customer's dated database solution
- Conducted regression, formal and witnessed testing of aviation requirements to validate code functionality and performance

Avigilon *Ruby, Java, JavaScript, Python*

LOCALIZATION SOFTWARE ENGINEER - ACCESS CONTROL MANAGER *January 2017 – September 2017*

- Integrated as a member of both the product management team and software development team
- Implemented code changes and new features in Ruby on Rails
- Created automation scripts in Java and Ruby to take screenshots, crawl the front-end framework for invalid website links, and provide a comprehensive report
- Created documentation for existing and newly implemented automation frameworks to ensure future support for testing usage
- Exceeded manager and director expectations by completing over 100 JIRA software and localization bug tickets

Broadcom Corporation *Python, Java, Selenium, SikuliX*

SOFTWARE QUALITY ENGINEER - VOIP *May 2015 – December 2015*

- Constructed automation scripts using Python to interact with various combinations of VoIP modems and daughter cards, which increased the test suite support from four to twelve units
- Managed high worth lab equipment in two dedicated labs and ensured that any issues were addressed promptly to maintain high system up-time
- Tested software releases in accordance to test plans for nightly builds and reported corresponding issues using JIRA

Freelance Website Developer *LAMP, Wordpress, CSS, JavaScript*

SOFTWARE ENGINEER *August 2013 – May 2015*

- Worked directly one-on-one with clients to develop websites that accurately portrayed their visions
- Optimized search engine page ranking, reduced page load time, and integrated firewall and data backups
- Increased page visits, and improved user experience
- Managed financial expenditures and provided tailored technical support that allowed for consistently high customer satisfaction

Extracurricular Activity

Government of Canada

MEMBER OF THE PRIME MINISTER'S YOUTH COUNCIL - NONPARTISAN *January 2017 - January 2019*

- Advised the Prime Minister and Government of Canada on a wide range of topics including the National Youth Policy, Mental Health, Youth Employment, Immigration, Technology, and Innovation
- Attended eight in-person meetings with the Prime Minister to engage with various communities across Canada and seek a wide spectrum of perspectives
- Hosted youth consultations for the National Youth Policy
- Selected for the first 26-member youth council out of a pool of 17,000 applicants by demonstrating uniqueness, passion, and community engagement

Education

University of British Columbia *C, C++, Java, JavaScript, and more*

B.A.SC IN COMPUTER ENGINEERING *September 2013 - May 2018*

- Academic 4th-Year Dean's List standing
- 'A' average in 2nd, 3rd and 4th-year engineering project courses
- Electives: Software Engineering, Web Applications, Security, Networking, Graphics, Project Management