Jacob K. Waters

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Bachelor of Computer Science, *Carleton University*   Jan 2014 – Apr 2019

Candidate for Environmental Engineering, *University of Waterloo*   Sep 2010 – Aug 2013

TECHNICAL SKILLS

- **Languages**: Java, Clojure, Python, .NET, C#, C, C++, JS (Node, Angular), Swift
- **Databases**: SQL Server, Oracle, MongoDB, SQLite, PostgreSQL
- **Environments**: Linux (Ubuntu, RHEL, CentOS, Fedora), Docker, Mac OS, Windows
- **Design**: Sketch, Adobe Photoshop, Illustrator
- **Leadership**: Led small team in developing a Capture the Flag simulation in Java, managed drilling team, rowing coach

WORK EXPERIENCE

Full Stack Developer, *Transport Canada*, Ottawa, Ontario   Jun 2019 – Present
- Contribute to making the security screening process a better experience for Canadians by developing workflows to process and approve airport worker security applications.
- Develop new features using the Microsoft Stack (.NET, C#) and SQL Server that are deployed continuously into a production environment.
- Use TDD frameworks and pair programming to ensure high quality of code. Identify missing automated tests and fixing bugs in the codebase.
- Deliver continuous value to the client by working in week long sprints.

Junior Developer, *CENX*, Ottawa, Ontario   Jan 2017 – Aug 2017
- Implemented a centralized configuration using Apache Zookeeper and Clojure; utilized Gitflow Workflow for developing features.
- Created a portable virtual machine for sales reps to use for client demos using a scaled-down docker deployment.
- Participated in daily stand ups; reporting on work progress and keeping up with team objectives and goals.

Junior Developer, *Thinkwrap Commerce*, Ottawa, Ontario   May 2015 – Aug 2015
- Created a Google Chrome extension to automate search engine optimization (SEO) research.
- Analyzed keywords, webpage content, and website architecture on client's websites to create a SEO audit of recommendations.
- Developed a Python script using regular expressions to filter broken URLs and redirect customers to valid webpages.

Environmental Intern – Drilling, *Detour Gold Corp.*, Cochrane, Ontario   Jan 2013 – Apr 2013
- Assisted in managing three crews drilling monitoring wells.
- Wrote a report interpreting two years of baseline surface and groundwater chemistry data; used as a part of Ministry of Environment annual report.
- Designed and implemented a database for tracking water, soil, and air samples.

VOLUNTEERING & ACTIVITIES

Operation Big Turkey, prepared and served Christmas dinners for over 300 people   2007 – 2018

The Ottawa Mission, helped weekly with food prep and service   2006 – 2010

- Enjoy playing piano; listening to music, podcasts, and comedy; canoeing and hiking; preparing and eating fine cuisine