

# Kieran Colford

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## Summary of Qualifications

- Excellent problem-solving skills demonstrated by education and self-initiated open source projects
- Commended by supervisors on a consistent basis for being a highly reliable and independent hard worker
- Gained extensive skills through personal experience in a number of programming languages and technologies.

**Programming Languages** Rust, C/C++, Go, Java, Python, Javascript/NodeJS, ReactJS, x86 Assembly (AT&T syntax), Perl, Haskell, Bourne Shell, SQL, Swift, Emacs Lisp, and Racket

**Technologies** Docker, Vagrant, Ansible, Virtual Box, Libvirt, Xen, Neural Networks, iOS, TCP/IP, IPv6, UDP, SSL/TLS, Three.js, Apache Web Server, Nginx, MySQL, PostgreSQL, CouchDB, Bind 9, Busybox, Kerberos, OpenLDAP, Samba, Wire Guard, OpenVPN, X.509, Let's Encrypt, GnuPG, IPFS, Libvirt, Docker, Containers, WebGL (OpenGL ES), HTML5, JSON, YAML, XML, AngularJS, JQuery, Ajax, and CSS3

**Documentation** Org Mode, Doxygen, Markdown, ReStructuredText and L<sup>A</sup>T<sub>E</sub>X

**Libraries** Tensorflow, OpenMP, Qt, Gtk+, OpenGL, SQLite and Boost

**Build Systems** GatsbyJS, Grunt, Gulp, Makefiles, CMake, and GNU Autotools

**Development Tools** GIT/Github, XCode, GDB, Jenkins, Unix Command Line, Linux, Arch Linux and Emacs

**Cloud** AWS, Digital Ocean, Linode, Google Cloud, Firebase, Heroku, and Netlify.

- Canadian Citizenship

## Work Experience

Jan. 2019–Apr. 2019 **Fullstack Software Developer**, *R.C.A.F Aerospace Warfare Centre, Innovation Lab*, Kitchener, Ontario.

- Conducted extensive user experience research and analysis on federal government public servants and members of the armed forces.
- Designed and developed an iOS application from project start to base-wide deployment.
- Produced web marketing tools for the Lab to further existing project goals.

Sept. 2017–Apr. 2018 **Fullstack Software Developer**, *University of Waterloo, Computer Science Computing Facility*, Waterloo, Ontario.

- Used machine learning to design and build an Optical Character Recognition pipeline.
- Maintained and improved software and services essential to university operations.
- Converted a large legacy code base from Python 2 to Python 3.

May.–Aug. 2016 and Jan.–Apr. 2017 **Fullstack Software Developer**, *BlueRover*, Kitchener, Ontario.

- Engineered a trend analytics engine that identifies potential hazards in food preparation thanks to data provided by the I.O.T. (Internet of Things) infrastructure.
- Maintained and expanded major product offerings using innovative tools and techniques.
- Independantly developed a multitude solutions for our existing product base in an agile environment.

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🐙 kcolford • StackOverflow: randomusername (over 6,000 reputation)