

Keefor C. Rourke

COMPUTER SCIENCE STUDENT · WEB DEVELOPER

Waterloo, Ontario, Canada

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Skills

Languages:	English (native), Français (elementary), Deutsch (basics)
Programming:	C/C++, Python, Rc Shell, Bourne Shell, X/HTML5 & CSS3, JavaScript, Processing(.js), R, Go, Haskell
Software:	Git, Github, Gogs, Nginx, MariaDB, JQuery, Regex, LaTeX, Vi(m), Inkscape, the GIMP, KdenLive, WordPress, ownCloud, LibreOffice, Microsoft Office & Outlook
Operating Systems:	GNU/Linux (Debian/Ubuntu, OpenSUSE, Arch, Fedora, Gentoo), Android, macOS, Microsoft Windows
Technology:	Raspberry Pi, Arduino, circuit logic
Design:	Iconography, vector and raster image editing and creation, Google Material Design
Communication:	Public speaking, presentational skills, software documentation, procedure mapping

Experience

PROFESSIONAL

School of Computer Science — University of Guelph

Guelph, Ontario

UNDERGRADUATE RESEARCH ASSISTANT, FULL-STACK WEB DEVELOPER

Jan. 2017 – Aug. 2017

- Assisted with development of an express web application, applying concepts of gamification to educational tools
- Wrote verbose human language processing utilities using Python and Node.js, communicating between processes with JSON and Unix pipes
- Completely refactored front-end code to improve user-experience
- Wrote comprehensive documentation and robust installation scripts

Xylem Inc.

Guelph, Ontario

APPLICATION ENGINEERING SUPPORT

Jul. 2016 – Sept. 2016

- Corrected and maintained large databases of parts for pump manufacturing
- Mapped procedures and created documentation for specialized business software

Home Depot Canada

Waterloo, Ontario

FRONT END ASSOCIATE, CASHIER

Apr. 2015 – Jan. 2017

- Earned 2015 Home Depot “All Star” award in customer service

Yumr — The Visual Food Finder

Waterloo, Ontario

WEB DEVELOPER

Feb. 2016 – Jul. 2016

- Refactored web code-base and completely redesigned the web front-end
- Unified the user experience between the Android and web platforms with Material Design

Rogue Planet Post Inc.

Toronto, Ontario

WEB DESIGNER

Jun. 2014 – Jul. 2014

- Worked closely with the CEO of Rogue Planet Post to design a website to showcase video content
- Wrote and tested custom, SEO and mobile optimized HTML/CSS and JavaScript code

PERSONAL PROJECTS

Tokumei — Anonymous microblogging

<https://tokumei.co/>

FOUNDER AND LEAD DESIGNER/DEVELOPER

Nov. 2015 - present

- Designed and implemented scalable algorithms for trending posts and tags
- Made critical user experience and design decisions for a simple, polished product
- Wrote comprehensive software documentation for multiple platforms
- Exhibited software to business professionals at the Ontario Centres for Excellence: Discovery conference in Toronto

La Capitaine icon theme

<https://krouke.org>

GRAPHIC DESIGNER

Nov. 2015 – present

- Studied current design trends to create a modern, visually pleasing vector icon theme for GNU/Linux desktops
- Amassed 72 000+ downloads and 135 000+ pageviews on gnome-look.org and approx. 1000 weekly git clones

Ludum Dare 33, 34, and 36 Game Jams

GAME PROGRAMMER AND DESIGNER

- Worked in teams to design and write several JavaScript games, each in under 72 hours

Waterloo, Ontario

Aug. 2015 – Aug. 2016

VOLUNTEER

Computer Recycling – The Working Centre

NON-PROFIT LAPTOP REFURBISHER

- Refurbished laptop and desktop computer hardware
- Installed and configured GNU/Linux (Xubuntu) on refurbished machines to prepare them for resale

Kitchener, Ontario

Aug. 2014 – present

Software Freedom Day

TROUBLE-SHOOTING ASSISTANT

- Greeted and provided information to event attendees
- Trouble-shooted software and hardware problems
- Assisted with installation and configuration of operating systems and productivity software

Kitchener, Ontario

Sept. 2014

Education

University of Guelph

CANDIDATE FOR HONOURS COMPUTER SCIENCE, CO-OP (B. CS.), MINOR MATHEMATICS

- Earned highest entrance scholarship for achieving greater than 90% average
- Earned 99% final average in Introduction to Programming
- Earned 96% final average in Discrete Mathematics
- Earned recognition on the Dean's List for the College of Physical & Engineering Sciences for the Fall 2016 semester

Guelph, Ontario

Sept. 2016 - present

Cameron Heights Collegiate Institute:

INTERNATIONAL BACCALAUREATE PROGRAMME

- Received OSSD in June 2016, and IB certificates for Mathematics and Chemistry in July 2016
- Achieved Honour Roll standing for all semesters of high school
- Earned 94% admittance average for post-secondary studies

Kitchener, Ontario

Sept. 2012 - June 2016

Honours & Awards

2016 Top Entrance Scholarship

Awarded for having a 90+ entrance average to the University of Guelph

University of Guelph

2015 Certificate of Distinction

Scored within the top 25% in the Canadian Computing Competition

University of Waterloo

2015 Certificate of Distinction

Scored within the top 25% in the Fermat Mathematics Contest

University of Waterloo

2015 First & Second Letters in Academics

Awarded for completing all of secondary school with Honour Roll

CHCI: Kitchener, ON

2015 First & Second Letters in Activities

Awarded for outstanding involvement in secondary school activities

CHCI: Kitchener, ON

2015 Subject Proficiency in Computer Engineering

Earned highest grade average in the 2014-2015 year for Computer Engineering

CHCI: Kitchener, ON

Interests

Programming:

Web development, games, scripting, language processing, mathematics, data analysis; regular attendee of Waterloo DevHouse (1.5 years)

Software development:

Attended the 2017 Canadian University Software Engineering Conference in Montréal, QC

Free/Libre software:

Regular attendee of Kitchener-Waterloo Linux Users Group (2.5 years)

Business:

Exhibited at the 2017 OCE Discovery business and innovation conference in Toronto, ON

Arts:

Graphic design, music, film, literature, strategy games