

**Chris Kelly**  
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## **EDUCATION**

| <b>YEAR</b> | <b>INSTITUTION</b>     | <b>MAJOR</b>         |
|-------------|------------------------|----------------------|
| 2013-2015   | University of Victoria | Software Engineering |
| 2010-2013   | University of Victoria | Biochemistry         |

**Cumulative G.P.A:** 7.72/9.00 **Present Year of Study:** 2B

## **TECHNICAL SKILLS**

Programming Languages: Ruby, Elixir, C, Java, JavaScript (Node.js)  
Operating Systems: Linux, OS X  
Web Frameworks: Ruby on Rails, Express.js  
Version Control: Git, SVN

## **WORK EXPERIENCE**

**Software Developer** FreeRunning Technologies. May – August 2014, January – April 2015

- Developed e-commerce web applications in Ruby on Rails (numerous projects)
- Git, Gerrit code review, Jenkins CI
- Full-stack web development using TDD.
  - Extensive back-end and front-end development using Ruby, HTML, CSS, and JavaScript

**Bioinformatics Research Assistant** University of Victoria, Viral Bioinformatics Laboratory - Dr. Chris Upton.  
May– August 2013

- Co-authored an academic paper describing the program “Suffix Tree Searcher,” published in the academic journal BMC Research Notes.
- Maintained the laboratory website, virology.ca.
- Conducted bioinformatics research on the Influenza A virus genome.

**Co-op Research Assistant** under the supervision of Dr. John Taylor  
University of Victoria, Department of Biology, Comparative Genomics Laboratory  
May– August 2012

- Worked as Linux system administrator, conducted bioinformatics research,
- Developed Perl scripts for genomic data retrieval and organization from remote SQL databases, created script-usage tutorials for legacy scripts.

## **OTHER WORK EXPERIENCE**

**Software Developer** UVic ECOSat satellite design team, Communications group

- Wrote the fixed-point trigonometry functions for the digital signal processing system of the modem of a low-Earth-orbit communications micro-satellite.

## **OPEN SOURCE WORK**

- Canary – An authorization and resource-loading library written in Elixir (github.com/cpjk/canary)

## **AWARDS AND SCHOLARSHIPS**

2013: Accepted **UVic Golden Key** membership – Top 15% of science students by GPA

2013: NSERC Undergraduate Student Research Award

2012: **University of Victoria President’s Scholarship** – Awarded on basis of academic excellence

2012: **University of Victoria, Faculty of Science Dean’s List Member**– Top 10% of science students by GPA