Chris Kelly
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EDUCATION

YEAR	INSTITUTION	MAJOR
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 world-class e-commerce web applications using Ruby on Rails.
  - Designed and implemented new systems to solve long-standing problems.
  - Re-factored large and complex legacy systems.
  - Worked directly with clients to work out feature specifications.
  - Extensive full-stack development in Ruby, Javascript, HTML, and CSS.

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.
- Developed Python scripts to generate 10s of gigabytes of genomic sequence data, and to stress-test bioinformatics tools.
- Conducted bioinformatics research on the Influenza A virus genome.

Co-op Research Assistant University of Victoria, Comparative Genomics Laboratory - Dr. John Taylor May– August 2012

- Worked as Linux System Administrator, conducted bioinformatics research,
- Developed Perl scripts for genomic data retrieval and organization from remote SQL databases.

EXTRACURRICULAR WORK

Software Engineer 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, slated for launch.

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

INTERESTS

Computer networks, embedded systems, signal processing, and web development.