

385-300 Earl Grey Drive
Ottawa, ON K2T 1C1

Alex Pilon

(613) 325-9298
alp@alexpilon.ca

Education

Ottawa, ON **Carleton University** **Sep 2010 – May 2016**
Bachelor of Engineering, Software, Co-op

Work Experience Highlights

Ottawa, ON **IMRSV Data Labs** **May 2015-Present**

- Created user stories, designed and implemented backend, and tested demo.imrsv.io
- Supervised or mentored junior developer and intern, reviewed work
- Advised “data scientists” on reproducible experimental and dev workflow
- Scraped and cleaned datasets (51 k, 32 k entries each) for an IRAP project and [paper](#)
- Partially designed, implemented, evolved, and maintained thistoo.co and compass.law backends
- Created PDF diff tool to immediately spot opaque government form changes

Kanata, ON **LiveQoS Inc.** **May-Aug 2014**

- Performed research for TCP optimization team

Kanata, ON **GENBAND Corp.** **May-Aug 2012, Jan-Dec 2013**

- Wrote transpiler, static analyzer, and refactoring tools for opaque proprietary test tool, bringing transparency, reviewability to dev process, and found thousands of test suite faults

Kanata, ON **JSI Telecom** **Jul-Aug 2010, May-Aug 2011**

- Developed a batch data analysis tool in C# and XQuery for quick insights for VP Operations

Carleton University, ON **The EngSoc Project** **2012-2014**

- General sysadmin work, ‘custom’ Linux router from COTS 1U rackmount

Home server

2011-Present

- Provide Git, SSH, SMTP, and IMAP services
- Host five domains and associated subdomains
- Built custom IPv4/v6 Linux router, policy routing, and firewalling on COTS SBC

Technologies

- Linux: networking, kernel builds, packaging, etc
- Python, POSIX shell, Ruby, C, Awk, Java
- Rails, Flask, SQLAlchemy, Jupyter, Pandas, etc.
- Git—mentored fellow coworkers and others on tools, best practices, and team workflows
- Heroku, AWS

LinkedIn: <https://www.linkedin.com/in/alex-pilon-a9a976124/>

GitHub: <https://github.com/pilona>

Meetup: <https://www.meetup.com/members/91349352/>