

Andrew Gardener

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WORK EXPERIENCE

Simon Fraser University – DHIL

January 2023 – Present

Web and Data Services Developer

Burnaby, BC

- Developed, maintained, and deployed multiple open source Digital Humanities web tools and repositories.
- Performed consultations for projects related to the SFU Digital Humanities community.

Apollo Insurance

June 2022 – November 2022

Full Stack Developer

Vancouver, BC

- Automated API documentation creation and managed API documentation platform.
- Contributed to development of partner API and embedded integration workflows to support automated customer application binding.

University of British Columbia – CTLT

March 2016 – August 2021

Programmer Analyst II

Vancouver, BC

- Developed, maintained, and deployed 6 open/close source education web tools and 10+ learning analytic tools in a team setting and independently.
 - Took full project ownership of 3 education web tools and 5 learning analytics tools.
 - Handled full stack - Frontend, Backend, Database, CI/CD, unit testing, AWS & Kubernetes.
- Built a data warehouse pipeline using AWS infrastructure.
 - Canvas Data csv files to a Redshift database and S3/Athena in Parquet format.
- Contributed to IMS Global's Caliper specification working group.
 - Authored 2 new Caliper spec profiles (Received leadership Award from IMS Global).
 - Contributed to the open source Caliper implementation libraries for Python, PHP, and Ruby.
- Supervised and mentored students employees (code reviews, project guidance).

Concordia University – CSLP

March 2013 – February 2016

Software Developer

Montreal, QC

- Developed and maintained 10+ education web tools in a team setting.
 - Took full project ownership of 3 education web tools.
- Independently developed an education iOS Application.

Tutor With Me

February 2011 – January 2013

Co-founder / Software Developer

Laval, QC

- Developed and maintained main website and online interactive learning environment.
 - Built main website search engine (Elasticsearch), scheduling, and listings.
 - Built online interactive learning environment connectivity (WebSockets).

Kepri Expeditions

November 2011 – March 2012

Web Developer

Montreal, QC

- Enhanced website to meet security standards and resolve performance issues.

- Created online registration forms for trips and improved Admin environment functionality.

Vanier College

April 2008 – May 2009

Web Developer

Montreal, QC

- Implemented website redesign for multiple department sites under the direction of the Web Communications Officer.
- Created online forms for alumni registration and for instructors to upload their profiles.
- Performed Webmaster role for the Department of Continuing Education.

EDUCATION

Concordia University

2008-2011

Bachelor of Computer Science, Software Systems Option

Montreal, QC

- Graduated with Great Distinction (Final GPA: 4.06)
- Member of the “Golden Key International Honour Society”
- Awarded Entrance Scholarship 2008-2009. Renewed for 2009-2010 and 2010-2011.
- Dean’s Honor List: 2008-2009, 2009-2010, and 2010-2011.

Vanier College

2005-2008

Professional D.E.C. (College Education Diploma) in Computer Science

St. Laurent, QC

- Dean’s Honor Roll: 2006-2007 and 2007-2008; Honor Roll: 2005-2006.
- Awarded Entrance Scholarship

PROGRAMMING SKILLS

- **Languages & Frameworks:** Python (Django, Flask, Pandas); Ruby (Rails); PHP; Javascript (AngularJS, ReactJS, JQuery, Node.js, some VueJS); Swift (iOS); Bootstrap; HTLM5; CSS (SASS, LESS).
- **Technologies:** Docker (Swarm); Kubernetes (Helm); Git; Databases (MySQL, MariaDB, PostgreSQL); NoSQL (Redis, DynamoDB); GraphQL; Elasticsearch; Rest APIs; CI/CD; unit testing & TDD.
- **AWS:** Lambda; Step Functions; Glue; Athena; S3; Redshift; RDS; ECS; Fargate; Cloudformation; Etc.
- **Problem Solving Skills:** Critical thinking; self-motivated; quick learner; adaptability and flexibility; attention to detail; shows initiative; teamwork oriented; research oriented; time management; troubleshooter.