Lance **Lafontaine**

SOFTWARE DEVELOPER

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Education

B.Eng. in Software Engineering
CONCORDIA UNIVERSITY

Montreal, Quebec, Canada
Sept. 2014 - May 2018

- Relevant coursework:
  - *Software Engineering*: Software Architecture and Design I & II, Advanced Program Design, Software Process, Testing & QA
  - *Computer Science*: Data Structures & Algorithms, Operating Systems, Systems Security, Databases, Compilers, Networking
  - *Mathematics*: Theoretical Computer Science, Discrete Mathematics, Probability & Statistics, Calculus & Numerical Methods

B.Sc. Honours in Cell and Molecular Biology
CONCORDIA UNIVERSITY

Montreal, Quebec, Canada
Sept. 2011 - May 2014

- Relevant Coursework: Bioinformatics and Computational Chemistry, Molecular Modeling with Python

DEC. Sciences
JOHN ABBOTT COLLEGE

Montreal, Quebec, Canada
Sept. 2009 - May 2011

Work Experience

Shopify
SOFTWARE DEVELOPER
SOFTWARE DEVELOPER INTERN

Montreal, Quebec, Canada
Aug. 2018 - present
May. 2018 - Aug. 2018
May. 2017 - Aug. 2017

- Contributed to product features, infrastructure reliability and large refactors to Shopify's platform.
- Played a significant role as a contributor to many projects in the Online Store, Domains & SSL teams' roadmap.
- Encouraged new best practices and patterns for developing GraphQL APIs for complex business domains.
- Developed maintanable code with performance in mind as part of one of the world's largest Ruby on Rails codebases.

AppDirect
TECHNICAL OPERATIONS & SERVICE AUTOMATION DEVELOPER INTERN

Montreal, Quebec, Canada
Sept. 2017 - Apr. 2018

- Created a continuous integration pipeline for complex infrastructure components which supported the business.
- Standardized continuous integration and delivery principles to enable large platform changes with no service outages.
- Leveraged a variety of technologies such as Docker, Terraform, Packer, Salt, Ansible, and cloud platforms like AWS.
- Developed a variety of unit and integration tests to query the state of infrastructure once operations had been applied

WEB APPLICATION DEVELOPER INTERN

Sept. 2015 - Apr. 2017

- Developed web applications with technologies like Javascript, React, Redux, AngularJS, Node.js, Python, Scala, C++ and more.
- Consistently applied a test-driven development (TDD) and agile approach in order to maintain complex software systems.
- Successfully led the development and delivery of user-facing projects with changing requirements and shifting deadlines.
- Took part in the organization's processes, code reviews, project demos, lunch & learns, hackathons and more.

Projects & Open-Source Contributions

rust-lang/book	Cyberjusticelab/JusticeAI	lancelafontaine/coding-challenges
lancelafontaine/mtg-rs	lancelafontaine/ractliffe-dog-training	lancelafontaine/Schedulator
lancelafontaine/pressthebutton	lancelafontaine/opengl-final-project	lancelafontaine/hacker-of-empires
lancelafontaine/PokemonCries	lancelafontaine/SynBio-Blocks	lancelafontaine/caproomster

Awards & Events

2018
- Placed 2nd overall, 1st in the "Relay Programming" and 2nd in the "Bell - Web" challenges at the CS Games competition.

2017
- Placed 9th out of 82 teams in Canada at the IEEExtreme programming competition.
- Elected Vice-President of Competitions at Concordia's Software and Computer Science Society (SCS).
- Placed 4th overall, 2nd in the "Mobile" challenge and 3rd in the "Puzzle Hero" challenge at the CS Games competition.

2016
- Placed 9th out of 77 teams in Canada at the IEEExtreme programming competition.
- Selected to compete in the CS Games competition and placed 4th out of 30 North American teams.