3 Pitcairn Cres, Toronto, ON
M4A 1P5 (Home)

LAITH KAMALEDDINE

lkamaled@edu.uwaterloo.ca
(647) 924-1679

github.com/lkaldyne · linkedin.com/in/laith-kamaleddine/ · lkaldyne.github.io

TECHNICAL SKILLS

LANGUAGES	EXPERIENCE	
Python	4+	yrs.
C++	3	yrs.
Java	6	mo.
Javascript	6	mo.
HTML/CSS	2	yrs.
GIT/HG/SVN/TFS	1	yr.
SQL	4	mo.
Jenkins	4	mo.
JSON/XML/VXML	4	mo.
VHDL	6	mo.
VBA	1	yr.
Bash	3	yrs.

Web Libraries/Frameworks
Django · Spring Boot · Selenium · BeautifulSoup4 · smtpLib · SikuliX · Flask

Automation, NLU, ML
SciKit Learn · NLTK · NumPy · Pandas · OpenPyXL · PIL · Blue Prism · AWS Lex · DialogFlow

Graphics
Pygame · Kivy · PyProcessing · Matplotlib

Testing
Junit · Mockito · GTest

Hardware
PC · Mac · Arduino · Raspberry Pi · PICAXE · Onion Omega and other embedded Linux chips

Other
Jira · JQL · Docker · Gradle · Quartus Prime · Microsoft Office

EDUCATION AND COURSES

2017/19   Candidate for B.A.Sc, Computer Engineering Co-op – University of Waterloo

Notable Courses

- ECE 222 – Digital Computers and RISC-V ISA
- ECE 250 – Algorithms and Data Structures
- ECE 124 – Digital Circuits and Systems (VHDL)

2017/18   High school diploma – French Bilingual Honours Graduate – York Mills Collegiate Institute *[Toronto, Ontario]*

SUMMARY OF QUALIFICATIONS

- Recognized leadership skills within various projects, positions, and volunteering events
- Comprehensive experience within Agile, CI/CD, and Client-Facing Environments
- Solid self-management in ramp-up/learning situations; Skilled at transitioning into unfamiliar stacks
- Strong academic performance; Ranked top 15% of 1st year Computer Engineering stream
- Positive and goal oriented; set large objectives and break them down to learn new concepts very quickly and effectively

WORK EXPERIENCE

2018   **Software Developer – Genesys Telecommunications Laboratories, Inc** *[Markham, Ontario]*
- Developed core features within Genesys' microservice-based cloud platform
- Created rest API solutions to improve health and status monitoring for several microservices
- Built full-sized CI/CD pipelines for new microservices, with features including unit tests, integration tests, deployment tests, and clean-up procedures
- Designed and scripted a Jira Status Report email generated and sent to management weekly
  - Formulated graphs and tables based on ticket and developer data pulled from Jira
  - Heavily decreased time needed for sprint planning and resource allocation
- Produced JWT security feature for faster, more secure data transfer within the cloud

2018   **Software Developer – Tax Transformation Technology, KPMG LLP** *[Toronto, Ontario]*
- Led the design, plan, and development of KPMG LAYNE – an NLP solution that analyzes lengthy, free form lease agreements
- Created an image recognition module, used by multiple RPA processes in the stack, to increase error trapping consistency (by 40%) and improve unsupervised performance
- Took on several automation projects, including but not limited to:
  - Admin bots (sending/receiving emails, saving documents, planning appointments)
  - Streamlining heavily manual tax return processes/cycles (web apps → database → calculation/processing → Client document generation)

2015/19   **Private Piano Teacher** *[Toronto, Ontario]*

NOTABLE ACHIEVEMENTS/PROJECTS

2018	Coded my **personal website** from scratch in JavaScript without the use of libraries (*lkaldyne.github.io*).
2018	Developed a **blogging web-app in Django** with user creation/registration and login sessions. Features include creating, updating, and deleting posts, updating profile information, and resetting passwords.
2018	Built a **sentence emotion analyzer using python machine learning** and NLP libraries. Successfully achieved an accuracy of 88.5% correct emotion detection across various series of tests.
2017	Created a **100'000-digit number calculator** in C++.
2017	Successfully implemented working solutions for **several contest algorithm problems** (using techniques such as DFS, BFS, Dynamic Programming, and Graph Theory. Collection available on GitHub).
2017	Programmed a **pseudo-3d crazy-taxi game** replica using PyProcessing and custom 3d/depth logic.
2017	Ontario Semi-finalists – ECOO programming contest (team of four).

INTERESTS/HOBBIES/INVOLVEMENT

- **Volunteering**
  Royal Conservatory of Music *[2014/19]*
  Swimming Instructor (WS Aquatics) *[2017]*
- **Music** - Piano performance (RCM), guitar, trumpet, djembe, music composition (Instagram: @lionharmonix)

- **Languages** – English, French, and Arabic
- **Sports** – Rock climbing, soccer (CSL), basketball, competitive swimming, longboarding, biking, skiing
- **Other** – Nature hikes, meditation, healthy eating/cooking