

ALEXANDER SAFATLI

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EDUCATION

Dalhousie University, Canada

June 2015

M.S.E. in Computer Science (GPA 4.3)

B.S.E. in Computer Science (In-major GPA 4.0)

Coursework. Algorithms, Data Structures, NLP, OS, DBs, Software Engineering,
Principles of Programming Languages, Architecture, Cryptography, Discrete Math *et al.*

Extracurricular. Secretary of Computer Science Graduate Society, Computer Science Society

EXPERIENCE

Liberated Networks

January 2019 – September 2019

Software Developer

Halifax, NS

- Maintenance of several ASP.NET applications contracted out to national ISPs. *C# and JavaScript.*
- Exploration of machine learning techniques when applied to resumes and job matching. *Python.*
- Partial ownership of a Kanban-like stack. *Java Spring and Angular 7.*

BeyondTrust

January 2017 – November 2017

Software Engineer

Halifax, NS

- Maintained full stack development of a cyber security software deployment suite packaged with software used by and marketed to Fortune 100 companies. *Go and Angular.js.*
- Managed tooling for software deployment for the team via tools like Jenkins and Docker.

Amazon

January 2016 – October 2016

Software Development Engineer I

Seattle, WA

- Touched many components of an established e-commerce platform. *Java, C++, Perl, Ruby, Go, and Python.*
- Worked on a team focusing on payment methods and gift card redemption.
- Served on-call on a regular monthly basis to monitor and manage large demand web services and platforms. Dealt with high-severity issues a number of times that impacted millions of customers.

TECHNICAL SKILLS

Computer Languages	C, Go, Python, Java, Typescript, Ruby, C#, C++, Lua, Prolog, Haskell, Lisp, Swift
Protocols & APIs	XML, JSON, REST, IMAP, SMTP, POP3, HTTP, UDP, TCP
Frameworks	Angular, ASP.NET, Ruby on Rails, Flask, Vue, React, Django, Mason, Tensorflow
Databases	MySQL, PostgreSQL, Microsoft SQL, Mongo, Dynamo
Methodologies	Machine Learning (SVMs, Random Forests, DNNs, k-NN), Data Mining
Tools	Git, SVN, Mercurial, L ^A T _E X, Unix (ricing, GNU, etc.), bash , zsh , vim , emacs

PROJECTS

Operating System (2014-2015) UNIX-style x86 system with bare bone essentials. *C, Assembly.*

Pylogeny (2016) Framework for combinatorics in phylogeny. Peer-reviewed and published in *PeerJ*. *Python.*

ABeRMuSA (2016) CLI that performs multiple 3D protein structure alignment. *Python.*

NootBot (2016-) Discord bot that automates tasks and emulates a soundboard in *n* servers. *Java Spring.*