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 - Present

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 Java Spring and Angular 7 stack that is used to collaborate on work tasks.

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. Angular.js and Go.
· 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 both frontend and backend components of an established e-commerce platform.
· Worked on a team focusing on payment methods and gift card redemption. Java, C++, Perl, and Python.
· Served on-call a number of weeks on a regular monthly basis to monitor and manage large demand web services and platforms.

TECHNICAL SKILLS

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

PROJECTS

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