

Disney Lam

Software Engineer - Google

Seattle, WA - Email me on Indeed: [indeed.com/r/Disney-Lam/e67c81a97054c069](https://www.indeed.com/r/Disney-Lam/e67c81a97054c069)

Willing to relocate to: Seattle, WA - Kirkland, WA
Sponsorship required to work in the US

WORK EXPERIENCE

Software Engineer

Google - Mountain View, CA - January 2016 to Present

- Netinfra, Bandwidth SRE
- Building new user mapping to aggregate pipeline to deprecate catchall aggregate; coordinating with dev team to remove service bottlenecks and ensure smooth transition
- Curating validation in intent pipeline to reduce toil and time to serve; while increasing reliability of deployment so that services can specify bandwidth needed to serve users via self serve portal
- Enabled automation of L2/L3 network failover testing by adding vendor gear (Arista, Juniper, Brocade) protocol buffer to CLI translation C++ code.
- Participates in oncall rotation

Site Reliability Engineer

LinkedIn - Mountain View, CA - September 2015 to January 2016

- Consumer, Feed SRE Team
- worked on tools to assist with supporting feed reliability

Research Assistant

Princeton University NOISE Group - January 2015 to September 2015

under Prof. Nick Feamster

Research Topic: Network Intrusion Detection System Configuration Jan 2015 - Sept 2015

- working on AI in Snort Vulnerability Research Team (VRT) ruleset to infer malware genealogy and improve configuration management

University of Waterloo AI Group under Prof. Robin Cohen

Software Engineering Intern

Google - Mountain View, CA - May 2015 to August 2015

- Platform Networking - Netsoft
- assisted with the design and implementation of a C++ a service availability and response time benchmarker (SARB) to obtain service level objective measurements prior to deployment

Site Reliability Engineering Intern

LinkedIn - Mountain View, CA - June 2014 to August 2014

- assisted with daily operations through deployment of consumer feed services into production
- integrated Hudson continuous integration framework with internal autometrics alerting framework
- wrote Python programs to validate and standardize YAML dashboard configurations using PyYAML and LinkedIn internal libraries

Management Platform Intern - Cloud Infrastructure

VMware - Cambridge, MA - May 2013 to August 2013

developed vSDF, Java framework capable of discovery services under different network conditions with prediction capability

- work won the VMware Intern Poster Session in Cambridge and published in VMTJ

Research Assistant

Research Topic - Waterloo, ON - May 2013 to July 2013

- devised AI algorithm to filter messages in healthcare social networks based on patient and medical professional attributes, which was then incorporated in cross-site algorithm

- work published as 2 papers at IEEE ICMLA and AAAI

University of Waterloo Networks Group under Prof. Raouf Boutaba

Research Assistant

Research Topic - January 2012 to April 2013

implemented in C++, Revmatch, a machine learning collaborative malware detection that aggregates feedback from multiple antiviruses

- work published as poster at USENIX Security and conference paper at IEEE NOMS

Systems Engineering Assistant

Blackberry - Waterloo, ON - January 2012 to April 2012

- performed daily operations work on network management services such as DNS, Syslog, NFS

- migrated team's network management services from physical hardware to virtual machines in data centers spanning North America from coast to coast

System Administrator

eSentire Inc - Cambridge, ON - May 2011 to September 2011

- assisted with deployment of intrusion prevention devices to external clients

- created wiki service with WYSIWYG editor and Sphinx search engine on LAMP platform

Technical Network Analyst

Scotiabank - Toronto, ON - May 2010 to August 2010

performed daily operations work in traffic engineering to assist with network provisioning decisions

- assisted with deploying office branch network through configuration and participation at PM meetings

EDUCATION

Computer Networking

University of Waterloo - Waterloo, ON

2009 to 2014

Sciences and Engineering Council of Canada

University of Waterloo

2009 to 2014

Research

University of Waterloo

2012 to 2013

LINKS

<http://bit.ly/15Sbv0v>

ADDITIONAL INFORMATION

Skills

- Development: Go/golang, Python, C++11, Java, HTML, Bash, R
- Networking: TCP/IP, BGP, OSPF, traffic engineering, Cisco device configuration
- Systems Engineering: DNS, Syslog, NFS, Cisco ACS, LAMP platform
- Other: RPC, Protobuf, YAML, Hudson, VMware ESXi, Citrix Xen, Weka

Citizenship: Canadian