IAMES CHUONG

SOFTWARE ENGINEER

EXPERIENCES

Present Mar 2016

Senior Member of Technical Staff | Platform Engineer

Palo Alto, CA. USA

- Implemented Netflix Lemur for DevOps and technical support to manage and automate key material handling for the Instart CDN service
- Developed C++ library for integration with Vault with internal key management system
- · Created tooling and scripts for managing operations hardware: switches, servers, databases
- Integrated Hashicorp services: Vault, Nomad and Consul to projects such as Jenkins; enabling secure, automated deployments with infrastructure as code

Mar 2016 May 2015

Apr 2015 Sept 2014

May 2013 Aug 2013

Dec 2012 Sept 2012

Apr 2012 Jan 2012 Part-Time Contractor

Remote Instart

• Continued maintaining automated browser testing and visualization software

Software Developer - Internship

Palo Alto, CA. USA

- · Created proof of concept of automating Safari and Mobile Safari browser tests with Selenium and ioswebkit-debug-proxy on real devices
- Developed QA infrastructure and visualizations for automated browser tests ProntoX
- · Created full stack visualization, leveraging ProntoX to measure performance of Instart features and monitoring for performance regressions between releases

Software Developer - Internship

EVault (now Carbonite)

• Developed features for volume image based backups and restores for Windows servers with C++

Software Designer - Internship

Blue Coat Systems, Inc. ♥ Waterloo, ON. Canada

• Developed features and bug fixes for the ProxySG network appliance in C++ and Java

Instructional Assistant - Internship

University of Waterloo

♥ Waterloo, ON. Canada

Oakville, ON. Canada

• Tutored the object-oriented C++ programming course for computer science majors

SELECTED PROJECTS

2018 2017 Lemur - Certificate and Private Key Management

Instart @ https://github.com/Netflix/Lemur

- · Certificate and key management, used to automate generation and deployment key material to serve
- Streamlining key handling processes, and opens possibility for customer self-service
- Improved Lemur with asynchronous certificate signing and integrating with Instart services
- Integrated with Vault to further secure and distribute Lemur configuration secrets
- Tech stack is nginx, AngularJS, Python, PostgreSQL

2016 2014

ProntoX - Test Automation and Visualization

- · Full stack development done to leverage WebpageTest to collect performance metrics for product
- · Python and Java backends, with Jinja and AngularJS frontends, Redis and PostgreSQL database
- Infrastructure running on AWS EC2, with automated scaling done with CloudFormation
- · Used by sales, engineering and data science teams to gather data on our services, find potential customers and explore avenues for future development
- Papers written using ProntoX and WPT:
- · Deferrability Analysis for JavaScript
- Perceived Performance of Webpages In the Wild



EDUCATION

2016 2010 **Bachelor of Computer Science**

University of Waterloo

Honours Computer Science, Co-operative Program

♥ Waterloo, ON. Canada

CONTACT INFO

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- **O** github.com/jchuong
- in linkedin.com/in/jchuong

SKILLS

Python lava Groovv C++ SQL

Puppet