

# JAMES CHUONG

SOFTWARE ENGINEER



## EXPERIENCES

- Mar 2016  
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present

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**Member of Technical Staff**  
Instart Logic📍 Palo Alto, CA. USA
  - Restructuring the continuous integration and delivery pipeline with modern practices for building and shipping containerized services
  - Key and SSL certificate management with Netflix Lemur, to help DevOps and sales engineers for secure key generation and deployment for Instart CDN service
  - Integrating Hashicorp services: Vault, Nomad and Consul to above projects, to enable secure, automated deployments with infrastructure as code
  - Automated ticketing and compliance checks for production-level changes for security compliance and auditing
- May 2015  
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Mar 2016

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**Part-Time Contractor**  
Instart Logic📍 Remote
  - Continued maintaining automated testing and visualization software
- Sept 2014  
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Apr 2015

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**Software Developer - Internship**  
Instart Logic📍 Palo Alto, CA. USA
  - Developed QA infrastructure for automated browser tests
  - Created proof of concept of automating Safari and Mobile Safari browser tests
  - Created full stack visualization for platform, leveraging the browser tests to measure performance of features and checking for regressions
- May 2013  
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Aug 2013

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**Software Developer - Internship**  
EVault (now Carbonite)📍 Oakville, ON. Canada
  - Developed features for volume image based backups and restores for Windows servers with C++
  - Improved and updated tests for the cloud backup product
- Sept 2012  
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Dec 2012

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**Software Designer - Internship**  
Blue Coat Systems, Inc.📍 Waterloo, ON. Canada
  - Developed features and bug fixes for the ProxySG network appliance in C++
  - Prototyped Cisco NetFlow (network information aggregation) feature for the ProxySG
  - Maintained the Java UI for the ProxySG
- Jan 2012  
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Apr 2012

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**Instructional Assistant - Internship**  
University of Waterloo📍 Waterloo, ON. Canada
  - Tutored the object-oriented programming course for computer science majors
  - Reinforced student knowledge of basic UNIX tools, object-oriented programming in C++, and software development practices
  - Created automatic testing scripts and tests for student assignment submissions



## SELECTED PROJECTS

- 2017  
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Current

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**Lemur**  
Instart Logic, Inc. @ <https://github.com/Netflix/Lemur>
  - Certificate and key management, used to help automate, manage and deploy secrets to serve customer traffic
  - Improved Lemur with support for asynchronous certificate signing, integrating with Instart's keystore service
  - Integrated with Vault to further secure and distribute Lemur configuration secrets
- 2014  
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2016

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**Test Automation and Visualization**  
Instart Logic
  - Full stack development done to leverage WebpageTest to collect performance metrics for product testing
  - 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, and explore avenues for future development



## EDUCATION

- 2010  
|  
2016

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**Bachelors of Computer Science**  
University of Waterloo📍 Waterloo, ON. Canada

Honours Computer Science - Cooperative Program

## CONTACT INFO

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## SKILLS

Python  
Java  
C++  
Puppet  
Groovy  
R  
HTML/CSS/JS (NodeJS, AngularJS)