

# JAMES CHUONG

SOFTWARE ENGINEER



## EXPERIENCES

Present  
|  
March  
2020

### Senior Software Development Engineer - UI

Automation Anywhere, Inc.

📍 San Jose, CA. USA

- Developed flowcharts with user editing capabilities with React
- Lead the UI development for Discovery Bot project by working with product and UX designers, planning UI development and working with backend team
- Managed and mentored other members of the UI team, providing code reviews and advice to improve code quality and transition project to Typescript

March  
2020  
|  
Jun  
2019

### Senior UI Engineer

Instart

📍 Palo Alto, CA. USA

- Created new dashboard pages for displaying metrics in Instart's customer portal in React + Redux
- Refined React components for custom query and data filters, charts, and graphs
- Integrated new self-service UI workflows for Instart services

May  
2019  
|  
Mar  
2016

### Senior Platform Engineer

Instart

📍 Palo Alto, CA. USA

- Implemented, extended and deployed **Netflix Lemur** for DevOps and technical support to manage and automate certificate management and enable customer self-service workflow
- Developed C++ library for integration with Vault via REST APIs for internal key management system
- Created tooling and scripts in Python for managing operations hardware: switches, servers, databases
- Integrated and deployed services with Vault, Docker, Nomad, Kubernetes, Puppet and Salt

Apr  
2015  
|  
Sept  
2014

### Software Developer - Internship

Instart

📍 Palo Alto, CA. USA

- Created proof of concept of automating Safari and Mobile Safari browser tests with Selenium and [ios-webkit-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

## CONTACT INFO

🌐 [jchuong.github.io](https://jchuong.github.io)  
🔗 [github.com/jchuong](https://github.com/jchuong)  
in [linkedin.com/in/jchuong](https://linkedin.com/in/jchuong)  
✉ [chuong.james@gmail.com](mailto:chuong.james@gmail.com)

## SKILLS

Javascript  
Typescript  
React + Redux  
Python  
Java  
C++  
SQL  
Puppet  
Docker  
Kubernetes



## 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 customer traffic
- 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 (Flask), PostgreSQL

2017  
|  
2014

### ProntoX - Test Automation and Visualization

Instart

- 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, 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

📍 Waterloo, ON. Canada

Honours Computer Science, Co-operative Program