

Stuart C. Larsen

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Experience

Csper LLC

Founder

New York City, NY

Nov 2019 - Present

- Software security company (B2B) specializing in easing the adopting of browser security features (CSP)
- Implemented full tech stack (k8s on gke, golang, angular), marketing, operations, customer relations

MongoDB Inc, 4 yrs

Staff Engineer, Security

New York City, NY

Jan 2019 - Dec 2019

- Directly implemented/managed the vulnerability management program for our core cloud offerings
 - Third party application dependency, static analysis, internal/external pen-tests, external reports, internal reports, fuzzing, networking scanning, host level patching
 - Wrote internal policies/procedures/documentation for timely handling of vulnerabilities
- Collaborated with product and engineering on a continuous basis for building pragmatic risk reduction solutions through change management process (scope/spec)
- Built and ran CTF, over 200 participants with 20+ unique security challenges (memory corruption/web/crypto/reversing)
- Ran security reading group, a bi-weekly security discussion group. 72 presentations from 30+ speakers

Engineering Manager, Security

Jul 2018 - Jan 2019

- Set vision, roadmap, and managed the central security engineering team
- Oversaw a number of risk reduction projects across the entire company
 - Rolled out 2FA across all critical serviced, reduced risk through our CI/CD pipeline, built/maintained internal SSO solution (similar to google's beyond corp)
- Go-to security resource for all technical security problems across the organization
- Ran CTF/Security Reading Group

Senior Security Engineer, App Sec

May 2017- July 2018

- Performed 8 full internal penetration tests, finding over 90 issues, worked with development teams to fix almost all of them
- Wrote official internal policies / guidelines on AppSec, secrets handling, SDLC, and more
- Mentored two non-security college graduates, enabling them to perform penetration tests and uncover critical flaws

Security Engineer

Feb 2016 - May 2017

- * Performed a number of internal penetration tests
- * Developed tools in golang/python to assist in risk reduction efforts

Yahoo!, 1yr

NY

New York City,

Penetration Tester

Jan 2015 - Feb

2016

- * Performed penetration tests on many of Yahoo's core products, finding hundreds of vulnerabilities
- * Open sourced an http2fuzzer (multiple CVEs), an advance web spider, and a context aware xss-fuzzer

Previous Careers

- * Software Security Intern MongoDB, NYC, NY Summer 2014
- * Software Development Intern, Fog Creek Software, NYC, NY Summer 2013
- * Information Assurance Intern, Serco, Air Force Research Labs, Rome, NY Fall 2012
- * Data Analyst, Solar and Heliospheric Research Group, Ann Arbor, MI Oct 2009 - Aug 2011

Education

Electrical Engineering, Bachelor of Science at Michigan Technological University, Houghton, MI

2010 - 2014

Competitions & War Games

- 1st CTF BSides NYC 2018
- 1st Hackathon "Get company sued" MongoDB 2015 & 2016
- 1st Hackathon Overall MongoDB 2016
- 1st bit.ly "Hacked to the future" Best use of bit.ly API 2015

Public Talks

Attacking HTTP/2 Implementations
Security Basics: Lessons From a Paranoid
Spearing Superfish with HPKP
Caspr: Content Security Policy Reporting and Aggregation
MEAN Stack: MongoDB, Express, Angular NodeJS

Personal Projects

qrad - <https://github.com/c0nrad/qrad> - Quantum Computation Simulations from scratch Go
Poka - <https://getpoka.com> - Dating App for the busy Golang / Ionic / Angular / Android / MongoDB
darkchess - <https://playdarkchess.com/> - Chess with fog of war Java / Jersey / Morphia / React
Isitpython - <https://github.com/c0nrad/isitpython> - Silly unsafe-python executor using docker Go / Python / Docker
crocker - <https://github.com/c0nrad/crocker> - Crappy docker clone from scratch Go / Syscalls
c0ngo/bson - <https://github.com/c0nrad/c0ngo> - Personal implementations of the MongoDB wire protocol Go
shig - <https://github.com/c0nrad/shig> - Shitty clone of dig (dns tool) Go
Cat Fact Spammer - (removed) - Text message denial of service website NodeJS / Twilio /
Stripe
Sngglr - <https://github.com/c0nrad/sngglr> - College dating app (500+ users) NodeJS / Express / MongoDB
Enforcer - GooglePlay:"Caspr Enforcer" - Chrome extension for enforcing CSP policies VanillaJS
X509gen - (retired) - Website for generating and managing test-only x509 certificate NodeJS / Angular / MongoDB
pandrChat - <https://github.com/c0nrad/pandrChart> Geospatial chat application NodeJS / jQuery / MongoDB
shitcoin - <https://github.com/c0nrad/shitcoin> - personal implementation of the bitcoin protocol Go
tetris - <https://github.com/c0nrad/tetris> Terminal implementation of Tetris Go
xfuzz - <https://github.com/c0nrad/xfuzz> Chrome extension for fuzzing web applications Angular
crapchat - <https://github.com/c0nrad/crapchat> - crappy snapchat clone NodeJS / Node
peewee - <https://github.com/c0nrad/peewee> - poker player bot Go
Conks - <https://c0nrad.io/conks> - Silly side scroller game to save the princess Javascript / FabricJS
c0nstock - (private) - Regressions analysis to stock prices in an attempt to predict prices C/C++
battletanks <https://github.com/c0nrad/battletanks> - A learning platform for building tanks API Python
holide - <https://github.com/c0nrad/holide> - Higher Order Logic IDE C++/Qt
meowPi - <https://github.com/c0nrad/meowPi> - Raspberry pi "meower" to annoy roommates RaspPi/Python