

# GABRIELE FISHER

gsfisher@stanford.edu | (845) 464-8505

## EDUCATION

### STANFORD UNIVERSITY

#### MS IN COMPUTER SCIENCE

Expected June 2018

#### BS IN COMPUTER SCIENCE

June 2017

Honors in International  
Security Studies

### PHILLIPS ACADEMY ANDOVER

June 2013

## COURSEWORK

### TECHNICAL

Networks  
Cryptography  
Computer and Network Security  
Distributed Systems  
Databases  
Machine Learning / Deep Learning  
Natural Language Processing  
Algorithms  
Web Development

### POLICY

National Security Policy  
Introduction to Cyberlaw  
Security Entrepreneurship

## SKILLS

### Programming Languages

Java • JavaScript • Python  
C • C++ • Assembly

### Other Languages

HTML • CSS • SQL •  $\text{\LaTeX}$  • R

### Development Tools Used

AngularJS  
Dropwizard  
Postgres • Elasticsearch • MongoDB  
Redis • Logstash  
Docker

## LINKS

LinkedIn // [gabbifish](#)  
GitHub // [gabbifish](#)  
Twitter // [@gabbifish](#)

## EXPERIENCE

### STANFORD UNIVERSITY DEPARTMENT OF COMPUTER SCIENCE

#### TEACHING ASSISTANT

Jun 2017 - Present | Stanford, CA

I currently TA CS144: Introduction to Networks. Previously I TA-ed for CS193C: Client-Side Technologies.

- Lead office hours to assist students with coursework on network layer architecture, TCP and IP, congestion control, packet routing, autonomous systems and BGP, network address translators, and network security.
- Grade problem sets, programming projects, and exams.

### PALANTIR TECHNOLOGIES

#### PRIVACY AND CIVIL LIBERTIES ENGINEERING INTERN

Jun - Sep 2015; Jun - Sep 2016 | Palo Alto, CA; Washington, DC

Summer 2016

- Designed and implemented audit logging in a new suite of software for private industry customers, with a focus on those subject to new European consumer data protection regulations.
- Open source tools used: Java, Dropwizard.

Summer 2015

- Built a pipeline for extracting, transforming, and loading audit log data for analysis. Built front-end interactive tool for examining audit logs and assessing insider threat and risks to information security.
- Open source tools used: AngularJS, Elasticsearch, Redis, Logstash.

### WHITE HOUSE OFFICE OF SCIENCE AND TECHNOLOGY POLICY

#### NATIONAL SECURITY AND INTERNATIONAL AFFAIRS INTERN

Sep 2015 - Dec 2015 | Washington, DC

- Assisted collaboration and communication between members of OSTP and the National Security Council.
- Contributed to the cybersecurity principles for the Administration's Precision Medicine Initiative, as well as its Cybersecurity Research and Development Strategic Plan. Member of Administration Internet of Things and Security working group.
- Organized a White House roundtable on diversity and cybersecurity.

## PROJECTS

### OPEN SOURCE PILOT PROJECT FOR DEPT. OF DEFENSE

#### SOFTWARE ENGINEERING AND BUSINESS DEVELOPMENT

March 2016 - June 2016 | Stanford, CA

With a team of software engineering and business students at Stanford University:

- Designed a product to detect social engineering on Twitter. Performed need-finding with DoD stakeholders and iterated on product with DoD feedback.
- Developed business strategy for this product and its commercial expansion beyond potential government clients.
- Built MVP to demo for members of US Defense and Intelligence Community.

This project was facilitated by a security entrepreneurship course at Stanford, piloted in Spring 2016 and backed by DIUx.

## AWARDS + RECOGNITION

2015	Stanford University	Lunsford Award for Oral Presentation of Research
2014-2016	Stanford University	Hoover National Security Mentorship Program