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## Education

### HARVARD UNIVERSITY

AB in Computer Science

Cambridge, MA  
May 2017

Relevant Coursework: Politics of Personal Data, Privacy and Technology, Cyberpolitics, Data Structures and Algorithms, Networks, Programming Languages, Linear Algebra and Real Analysis

## Tech Skills

**Programming:** Python, Java, Groovy, C, Scala, OCaml, Bash, SQL

## Experience

### PALANTIR TECHNOLOGIES

#### Forward Deployed Engineer

New York, NY  
July 2017 – July 2018

- Designed and deployed 6TB Elasticsearch data integration, with automated updates. Used Java, SQL and Bash.
- Developed Detector/Transformers to identify data format, then parse and integrate it. Coded in Groovy and Java.
- Reworked and validated Access Control List managing client-accessible data to expand data access
- Installed, debugged, patched, and configured services on development, staging, and production stacks
- Wrote and managed various scripts, including Nagios health checks, to monitor services and validate data

### HARVARD SCHOOL OF ENGINEERING AND APPLIED SCIENCES

#### Research Experience for Undergraduates (REU) Researcher

Cambridge, MA  
June – August 2016

- Researched loss of utility of a dataset when anonymized via differential privacy. Analysis done with Python.
- Updated Professor Latanya Sweeney's "theDataMap" project documenting flows of personal data

### TRUSTLAYERS

#### Software Engineer and Policy Consultant

Cambridge, MA  
September 2014 – April 2015

- Created new API for core data-use protection product in Scala language
- Coordinated new functionality for API compatibility with front-end engineer
- Developed patent application and developed full documentation for new programming language

### FEDERAL TRADE COMMISSION

#### Fellow in Technology and Data Governance

Washington, D.C.  
June – August 2014

- Inspected security practices for 110 iOS and Android apps with man-in-the-middle software
- Investigated online price discrimination and privacy vulnerabilities in a social networking site's public API
- Collaborated with CTO Latanya Sweeney to define direction of FTC's future tech research
- Contributed to research presented at the FTC's Big Data conference. Presented to FTC technology panel.

## Other Experience

### CYBER CRIMES CENTER, HOMELAND SECURITY INVESTIGATIONS

October 2016 – May 2017

- Presented research on re-identification using geolocation metadata in darknet markets
- Collaborated with special agents to conduct additional analysis of dataset

## Publications

### MEDIUM

<https://medium.com/@roselisker/d088a9c80240>

#### "Illuminating the Dark Web: searching for geotags in darknet markets"

September 2016

Study on geolocation metadata prevalence in darknet markets, conducted on 1.6TB archive. Covered by international media including *The Washington Post* and *The Sunday Times*. Featured by Medium and viewed over 25,000 times.

### TECHNOLOGY SCIENCE

<http://jots.pub/a/2015103001>

#### "Who Knows What About Me? A Survey of Behind the Scenes

October 2015

#### Personal Data Sharing to Third Parties by Mobile Apps"

Mobile app survey on sensitive data handling and sharing to third-party domains; based on FTC research

## Other Skills & Interests

**Language:** English (native proficiency), Spanish (native proficiency)

**Clearance:** Interim Top Secret, granted on 14 March 2018; investigation may be picked up

**Interests:** Music (guitar, piano, and recording), Politics and Policy, Hiking, Cycling, Photography