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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

## Tech Skills

**Programming:** Python, C, Scala, OCaml, Bash, HTML

## Experience

### HARVARD SCHOOL OF ENGINEERING AND APPLIED SCIENCES

Cambridge, MA

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

June – August 2016

- Researched loss of utility of a dataset when anonymized using differential privacy. Analysis of dataset and statistical tests conducted with Python.
- Updated Professor Latanya Sweeney's theDataMap project documenting flows of personal data

### TRUSTLAYERS

Cambridge, MA

#### Software Engineer and Policy Consultant

September 2014 – April 2015

- Created new API for core data-use protection product in Scala language
- Coordinated new functionality with front-end engineer for API compatibility
- Developed patent application and developed full documentation for new programming language
- Aided CEO in market research to determine growth potential, and worked in tandem with the marketing team to update website and respond to web analytics

### FEDERAL TRADE COMMISSION

Cambridge, MA

#### Fellow in Technology and Data Governance

June – August 2014

- Worked directly with CTO Latanya Sweeney to define direction of FTC's tech research
- 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 API
- Contributed to research presented at the FTC's Big Data conference. Presented to FTC technology panel.

## Additional Experience

### DIGITAL LITERACY PROJECT

Cambridge, MA

#### Teacher

January – May 2014

Taught weekly lesson on basic coding concepts to middle school students using Scratch and processing.js

## Publications

### MEDIUM

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

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

September 2016

Study on the prevalence of geolocation metadata in darknet markets. 1.6TB archive analyzed using Python. Research covered by the Washington Post, IFL Science, and international media. Post currently at over 23,000 views.

### 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

## Skills & Interests

**Language:** Native fluency in Spanish

**Interests:** Music (guitar, piano, and recording), Politics, Photography, Soccer, and the November Project.