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Education

HARVARD UNIVERSITY

AB in Computer Science

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

Cambridge, MA

May 2017

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