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Education

HARVARD UNIVERSITY
AB in Computer Science

Cambridge, MA
May 2017

Tech Skills

Programming: Python, C, Scala, OCaml, HTML, CSS

Experience

HARVARD SCHOOL OF ENGINEERING AND APPLIED SCIENCES
Research Experience for Undergraduates (REU) Researcher

Cambridge, MA
June – August 2016

- Joined the multidisciplinary Privacy Tools for Sharing Research Data Project, supported by an NSF grant
- Researched the loss of utility of a differentially private (anonymized) dataset by comparing the utility of original dataset with the utility of the anonymized dataset and performing statistical tests
- 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 with front-end engineer for API compatibility
- Developed patent application and developed full documentation for new programming language
- Additionally: Aided CEO in market research to determine growth potential, and worked in tandem with the marketing to update website and respond to web analytics

FEDERAL TRADE COMMISSION

Fellow in Technology and Data Governance

Cambridge, MA
June – August 2014

- Worked directly with CTO Latanya Sweeney to define direction of FTC's tech research
- Conducted technology research projects of interest to the FTC
- Investigated security practices for 110 iOS and Android apps with man-in-the-middle software
- Contributed to research presented at the FTC's Big Data conference. Presented to FTC technology panel.

Additional Experience

DIGITAL LITERACY PROJECT

Teacher

Cambridge, MA
January – May 2014

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

Publications

TECHNOLOGY SCIENCE

**“Who Knows What About Me? A Survey of Behind the Scenes
Personal Data Sharing to Third Parties by Mobile Apps”**

<http://jots.pub/a/2015103001>
October 2015

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

MEDIUM

“Illuminating the Dark Web: searching for geotags in dark net markets”

<https://medium.com/@roselisker/d088a9c80240>
September 2016

Study on the prevalence of geolocation metadata in dark net markets. Research covered by the Washington Post, IFL Science, and international media. Medium post currently at over 18,000 views.

Skills & Interests

Language: Native fluency in Spanish

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