

# Jacob Tarnow

Curriculum Vitae

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## Research Interests

Computer security and privacy, applied cryptography, networking, distributed systems and data science.

## Education

### Masters of Science, Computer Science, Expected May 2017

The University of San Francisco, San Francisco, CA, USA

August 2015 - Expected May 2017

Relevant Coursework: Principles of Software Development, Graduate Algorithms, Programming Languages, Systems Foundations, Master's Project (Thesis), Data Mining, Security, Distributed Systems

### Bachelor of Arts, Electronic Communication & IT

Marquette University, Milwaukee, WI, USA

August 2009 - May 2013

Relevant Coursework: Intro to Information Technology, Web-Based Apps, Business Application Development, Systems Analysis and Design, Database Management

## Work Experience

### Acxiom/Zeta Global, San Mateo, CA — Associate Developer

April 2015 - Present (Acquired by Zeta Global in July 2016)

Lead developer building large scalable applications for global email campaigns and reusable components to form team applications.

### Acxiom, Redwood City, CA — Content Specialist

November 2013 - April 2015

Build JavaScript parsing applications for dynamic components and aid in data migration, omniture tracking and URL issues.

### Diablo Custom Publishing, Walnut Creek, CA — Consultant

June 2013 - November 2013 (Intern June-August. 2013)

Tackled wide variety of coding bugs and implemented new development. Implemented new approaches to enhance database lookup times.

### GAIN Fitness, San Francisco, CA — Business Dev Associate

June 2012 - November 2013 (Intern June-Sept. 2013)

Web development for the product and company. Performed QA Testing on iOS Application. Developed strategy and outreach to build partner development and client relationships.

## Technical Proficiencies

Java (Intermediate)

C (Intermediate)

Python (Intermediate)

JavaScript (Intermediate)

Linux/Unix (Intermediate)

NoSQL/MySQL (Intermediate)

Objective-C (Beginner)

HTML5/CSS3 (Proficient)

## Projects

### BitPrivacy

Mentored by EJ Jung

January 2017 - Present

Tracking of IP relays and Bitcoin transactions through Tor and coinjoin operations.

### Blockchain Project, AT&T

August 2016 - January 2017

Decentralized application with blockchain technology for student record validations.

### Snoopy

Mentored by Sami Rollins

August 2016 - December 2016

Wifi scanner application for user to view all devices on their network and run diagnostics on network.

### Yap

August 2009 - May 2013

Designed and implemented a personal version of Yelp!