

## Education

### Cornell University

B.Sc. in Information Science Candidate

In-major GPA: 3.3 Mathematics GPA: 4.0

*Relevant coursework:* Object-Oriented Programming and Data Structures, Networks, Linear Algebra, Data Analysis and Mining, Introduction to Neuroscience, Statistics, Intermediate Programming for the Web

*Independent Coursework:* Introduction to Algorithms, Computer System Organization

Ithaca, NY

Jan 2013 — May 2016

## Related Experience

### Unannounced Startup

#### iOS/ Web Developer

Selected to design and develop web presence for Manhattan startup. Implemented UX optimized website in ReactJS with server-side implemented in Go. Worked alongside founder on designing and building the mobile application for the iOS platform in Swift.

New York, NY

Sept 2014 – Aug 2015

### Teaching Assistant

#### Cornell University

Course: CS 1300 - Introductory Programming for the Web

Introductory CS course of 300+ students focusing on HTML5, CSS, and PHP for server-side interaction as well as how web sites are deployed, usability issues on the web, user-centered design, and methods for visual layout and information architecture. Assisted graduate teaching assistants with grading, answered student questions on the Q&A platform Piazza, held weekly office hours and in addition, lead a 50 minute weekly discussion section.

Ithaca, NY

Aug 2015 — Dec 2015

## Academic Research Projects

Cornell University Department of Biomedical Engineering

**BME Research Project** (2013). Obstructing Hyperphosphorylation of Pathological TDP-43 in Patient-Derived Induced Pluripotent Stem Cells Using CDC7 Kinase Inhibitor. Research Supervisor: Dr. Nozomi Nishimura.

## Personal Blog

Currently maintain a personal blog <http://mariarivas.me> that provides tutorials (Git, Raspberry Pi, Tor, etc.) and commentary about technology and privacy.

## Technical Skills

**Programming:** Java, Python, Go, Swift, PHP, Javascript/ECMAScript, SQL, HTML, CSS

**Software:** Linux, Git, MongoDB

**Languages:** Native proficiency in Italian and Spanish

## Activities

Member of Cornell's Association of Computer Science Undergraduates (ACSU)

Member of Cornell's Information Science Student Association (ISA)

English Instructor for NYC's We Are New York adult learning program