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## Education

### Yale University - New Haven, CT

Bachelor of Science | Computer Science | May 2016

GPA: 3.88/4.00

### Senior Thesis

“Using Deep Learning to Discover Natural Features of Patients’ Genomic Data to Improve Prognostic Cancer Models”

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## Work Experience

### Amazon.com, Seattle, WA

Payment Systems | Intern | May – August 2015

### Relevant Tasks:

- Programmed a multi-tier sandbox environment to allow end-users to simulate transactions for new payment methods
- Dynamically generated UI from data models using JavaScript
- Ensured the system’s extensibility for future user requirements

### Mellanox Technologies, Ra’anana, Israel

Ethernet Group | Intern | June – August 2014

- Reinvented the team’s log analyzer tool
  - Automated daily log reports and created content rich emails
  - Designed a crowd-sourced database of known log errors and bugs
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## Technical Experience & Projects

### Wordly: Reverse Dictionary

Building a reverse dictionary with recurrent neural networks that predicts words with definitions similar to a user’s query.

### Political Science Research Assistant

Studying the politicization of churches and the ramifications of church leaders as part of the political elite.

### #transneeds: White House Summit Project

Running a social-media listening campaign to gather data on trans issues in order to provide policy recommendations for the U.S. Federal Government.

### Deep Learning Research: Adversarial Examples

Compared Google’s adversarial training algorithm with alternative algorithms for increasing the stability of deep neural networks.

### CrowdSound

Created a democratic DJ application on iOS for users to collaboratively create playlists by voting for songs. Designed both the user experience and user interface, as well as coded the backend in Swift.

### Analysis of Yale College Majors

Analyzed the socioeconomic status, political affiliation, and choice of major of Yale’s undergraduate student body.

### US Air Force’s CyberPatriot

Secured and defended simulated computer networks from hackers and real-time security threats. Worked with various vulnerability analysis and prevention tools.

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## Leadership

**Branford Buttery** – Restaurant Manager

**Yale Outdoors** – Trip Leader

**Yale Admissions Office** – STEM Recruiter

**Branford College Council** – Class Representative, Housing Committee

**Yale Climate & Energy Institute** – Conference Fellow Tech Lead

**Alpha Epsilon Pi Fraternity** – Executive Board

## Enrichment Programs

**White House LGBTQ Tech & Innovation Summit**, Summer 2015 – Conference on technology and open data in recruiting diversity, criminal justice, and civic engagement. Collaborated with teams to deliver a product over the subsequent 3 months.

**Sexual Literacy Forum (SeLF)**, Spring 2015 – Student-run sexual education course that discusses race, culture, and identities

**Shalom Hartman Institute’s iEngage**, Winter 2014 – Program on negotiation and conflict resolution at Israeli think-tank

**Study Abroad (Grado, Italy)**, Summer 2013 – Intensive Italian immersion program combined with art history excursions

**United States Cyber Challenge**, Summer 2012 – Cybersecurity program covering penetration testing and hacking systems

**American Legion’s NJ Boy State**, Summer 2011 – Weeklong leadership program simulating NJ’s state government

## Skills & Recognitions

**Awards:** US Air Force CyberPatriot – Open Division National Champions, ACS Organic Chemistry Exam – 100<sup>th</sup> Percentile

**Certifications:** CompTIA Networking (2011), Security+ (2012)

**Media Skills:** Photoshop, FinalCut, Machine Shopping, SolidWorks, 3D Printing

**Personal Interests:** Meditation, Music, Politics, Graphic Design, Art: Japanese Sumi Ink, Cooking, Hiking and the Outdoors