Jared L. Katzman

74 High Street, New Haven, CT 06520 | jared.katzman@yale.edu | jaredleekatzman.com | (732) 241-1592

Education

Yale University - New Haven, CT
Bachelor of Science | Computer Science | May 2016

GPA: 3.88/4.00

Undergraduate Thesis
"Using Deep Learning to Discover Natural Features of Patients' Genomic Data to Improve Prognostic Cancer Models"
Research with the Yale Department of Statistics and Yale School of Medicine | Published: Expected April 2016

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

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 iPhone application 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

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 – 100th 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