

EDUCATION:**Princeton University**
Princeton, NJ - June 2015BSE, Computer Science
Thesis: Constellation: A Musical Exploration of Phone-Based Audience Interaction Roles
Coursework: Algorithms & Data Structures, Operating Systems, Computing Theory, Artificial Intelligence, Information Security, Machine Learning, Electronic Music, High-Tech Entrepreneurship, Theory of Algorithms, Programming Techniques**Duluth High School**
Duluth, GA - May 2011

Salutatorian, National Honor Society, AJC Cup Winner, National Merit Scholar

WORK EXPERIENCE:**Software Engineer Intern**
TellApart
June – Aug 2014

Worked in data visualization and internal dashboard tools; designed backtesting system to improve company-wide alerting; implemented using Ember.js and python

Data Research Intern
Australian National University
June - July 2013

Joined research group in Australia studying ice level data; built system to manipulate, sort, and analyze several million points of satellite data for altitude measurements

Design/UI Intern
LiquidText, inc.
June - Aug 2012

Joined iOS app development start-up to assist with UI design, marketing, development, business relations, and general corporate affairs

Operations Intern
E2M, inc.
June 2010 – June 2011Assisted with optimization of product lines for Proctor and Gamble, Kimberly-Clark
Prepared client materials, created internal tools, overhauled asset management system**PROJECTS:****Constellation**
2015 – 2016*Princeton Senior Thesis* and *Web Audio Conference* 2016
Designed a system by which audience members interact with a piece during music performance, through a web interface. Published paper with Web Audio Conference. View video and paper online at www.niharm.com/constellation**Engineers Without Borders**
2011 – 2013*Project Manager of EWB-Princeton Chapter in Peru*
Constructed a water distribution system for a small community in Peru
Oversaw technical design, team organization, community backing, financing
Spent 11 weeks over 3 trips working on assessment and implementation in community**Princeton by the Numbers**
2013 – 2015Scraping and analyzing data on Princeton students
View at www.niharm.com/analytics**Undergraduate Student Government**
2014*Class of 2015 Senator*
Class government representative for campus proposals and issues; led projects on dining policy, an international travel guide, and student project suggestion app**Princeton South Asian Theatrics**
2011 – 2015*President, Director, Writer, Actor*
Wrote, produced, and directed three comedy productions
Rose and oversaw use of \$6000 in profit and combined attendance of 800**SKILLS:**Computer Languages
Human Languages
Software ExperiencePython, JavaScript, Java, C, HTML, CSS, Matlab
Spanish, Hindi
Microsoft Office Suite, Google Drive Suite, Adobe Photoshop, GIMP, Sony Vegas, Adobe Premiere Pro, Audacity, AutoCAD, Final Cut Pro, Google Sketchup