

Academics

University of Michigan
Class of 2016
Ann Arbor, MI
MS Computer Science and Engineering

Pace University
Class of 2014 Magna Cum Laude
New York, NY
BS Computer Science
BFA Acting (Dual Degree)

Midland High School
Class of 2010 Magna Cum Laude
Midland, MI

Technical Experience

Work Experience

SpaceX
Flight Software Intern – 2015

- Fault Tolerance for Crew Dragon spaceship
- Fault Detection Isolation & Recovery for Cargo Dragon

Microsoft
Software Engineering Intern – 2015

- Microsoft Office for iOS

Menlo Innovations
Developer – 2014

- Software development for clients using Agile methodologies

Crain Communications
Web Development Intern – 2014

- Create, maintain, and implement design changes for Crain's websites, such as crainsnewyork.com

Seidenberg School of Computer Science
Teaching Assistant – 2013-2014

Seidenberg School of Computer Science
Computer Science Tutor – 2011-2014

The Dow Chemical Company
Information Systems Intern – 2013

Valassis Communications
Digital Media Intern – 2013

- Create Twitter scraper and sentiment analyzer

Starfish Enterprise
Software Contractor – 2011-2012

- Create custom database management websites
- Languages: Apex, SQL, VisualForce, HTML, JavaScript

Activities and Honors

Computer Science

- Hackathon Wins
 - AngelHack Seattle Hewlett-Packard APIs – 1st Place
 - XO Group's Hack Upon a Cause – 1st Place
 - Intel Android Codefest NYC – 1st Place
 - Sears Retail Hackathon – 2nd Place & Apigee API 1st Place
 - Hack 'n' Jill Gaming Hackathon – 2nd Place & User's Choice
 - RIM (Blackberry) NYC Hackathon – 3rd Place
 - Microsoft Big Data Hackathon – 4th Place
 - SVSU ACM Programming Competition – 1st Place
- Pace University – Seidenberg Scholar
- FIRST Robotics Volunteer – 2010-2014
- Pace Computer Society – 2010-2014
- Michigan Aeronautical Science Association – 2014

Academic

- Class of 2014 Computer Science Department Award
- Dean's List
- National Merit Scholar
- National Honor Society Member

Courses

- Discrete Event Systems
- Parallel Programming
- Knowledge-Based Systems
- Artificial Intelligence

Grade Point Average – 3.8
Honor's College

- Thesis – The Future of Cyberwarfare
- GRE – 331/340
 - Quantitative – 168/170
 - Verbal – 163/170

Grade Point Average – 4.3
Honor Roll

- ACT – 35/36
- SAT – 1470/1600

Project Experience

Parallel Programming Graduate Project

- N-body simulation optimization

Data Mining Undergraduate Research

- Create medical forum scraper and sentiment analyzer
- Frameworks/Languages: Python, SAS

Computer Vision Undergraduate Research

- Object recognition using stereo cameras
- Environment simulation and prediction
- Frameworks/Languages: C/C++, OpenCV, PhysX

Mobile Application Development

- Languages: Objective-C, Java, XML, HTML/CSS, JavaScript/jQuery, LAMP Stack
- Frameworks: Construct2, Intel XDK, OpenLayers, CakePHP

Product Development Project
Aalto University, Finland

- Develop portable gaming concept for RAY Finland
- Languages: HTML/CSS, JavaScript/jQuery

Artificial Intelligence

- Implement a Tetris AI

Lego Robotics Mentor

- Teach elementary students programming through Lego robotics

Tech Kids Unlimited Mentor

- Teach kids with mild autism technical skills including Photoshop and iMovie

Personal Projects

- See personal website

The Arts

- Involved in Over 35 Plays, Musicals, and Films
- Rhapsody Rendezvous – Master of Ceremonies
- Teenage Musicals, Inc. – Leadership Scholarship
- United Steelworkers – Community Service Scholarship
- MIFA One-Act competition – Superior Performance Award
- Trumpet Section Leader – 2009-2010
- Debate Team – 2006-2010

Boy Scouts

- Eagle Scout
- Triple Crown
 - Navigator on Philmont High Adventure – 2009
 - Florida Sea Base High Adventure – 2008
 - Northern Tier High Adventure – 2007
- Parvuli Dei
- Chaplain's Aide

Athletics

- Intramural Soccer – 2011-2013