Jacob Close

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EDUCATION

University of Michigan, Ann Arbor, MI
Bachelor of Science in Computer Science Engineering, College of Engineering May 2018
Minor in Business, The Ross Business School
GPA: 3.32/4.00

COMPUTER SKILLS

Proficient in C++, Python.
Knowledgeable in HTML, CSS, JavaScript, Angular, Java.

PROJECT

Data Science Blog

- Developed and maintain a personal blog with the Pelican python framework.
  The Related Artist Network
  - Created directed graph visualization of related artist's using Spotify API and D3

University of Michigan, November 2016-April 2016
Project Team Member: Entrepreneurial Design: Web/App development and the Internet of Things

- Utilized design methodologies to interview, design and develop an app that tells users when their friends are within a certain distance.
- Implemented web prototype using HTML, Bootstrap, Flask, Angular JS, and Google Maps API.

Accenture U.S Innovation Challenge, January 2016

- Led interdisciplinary team to research, construct and present business strategy for the prevention of food waste by grocery stores.
- Selected as second place to compete in national quarterfinals.

City of Newton, June 2015-August 2015
Student Researcher

- Collaborated with the City of Newton to estimate the amount of CO_2 produced by students' commute.
- Provided data analysis using Google Maps API distance matrix and D3 visualization to support the proposal of new bike lanes.

EXPERIENCE

Kronos Incoporated, Chelmsford, MA, June 2016 – August 2016
Software Performance Intern

- Created an object oriented Protractor framework using Jasmine.
- Developed scripts to a current framework in Selenium using testNG.
- Gained experience working in an Agile environment using the Sprint methodology in a cloud development environment.

University of Michigan, Ross School of Business, April 2016-Present
Assistant in Research

- Conducted and presented survey on the state of the art computer vision and machine learning algorithms utilized for feature extraction and image processing.
- Researched, analyzed, and implemented various computer vision algorithms using C++, python, and web api's for a collaborative project under marketing, statistics and sociology professors.

ACTIVITIES

Accelerate CS (Google), September 2015 – Present

- Lead weekly lesson at Ann Arbor middle school to teach student's computer science skills.

LEADERSHIP

Serial Innovator Camp (Procter & Gamble, Intel, Microsoft), February 2016.

- Advanced problem definition and solving techniques while working with a small, interdisciplinary team.

Petrovich Emerging Leader Experience (PELE), September 2015 – December 2015

- Selected as 1 of 34 students to participate in sophomore year college leadership program.

Theta Chi Fraternity, October 2014 - Present

- *Recruitment Chair*