

# Arun Massand

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GitHub: <https://github.com/arunmassand>

## Education

### University of Michigan, Ann Arbor, MI

August 2017 - PRESENT

B.S. Computer Science, GPA: 3.41

Coursework:

- Up to and including Data Structures and Algorithms, Computer Organization, Discrete Math, Calculus 1 and 2
- Microeconomics, Introduction to Statistical Methods

### Bronx High School of Science, Bronx, NY

September 2014 - June 2017

NYS Regents Diploma with Honors, AP Scholar

Captain of Varsity Soccer

## Experience

### AllianceBernstein, New York City

Software Development Intern

June 2019 - PRESENT

- Working with frontend development team to create brand pattern library using React and Terminal.

Marketing & Digital Development Consultant.

May 2018 - October 2018

- Consulted on design, website navigation, social media, and marketing strategies based on research and competitive analyses.
- Assisted in the use of multiple platforms in creative ways to grow brand awareness.

### Mission Throttle, Southfield, MI

Software Development Intern - *Multidisciplinary Design Program*

January 2019 - PRESENT

- Selected to team that is building an open-source LimeSurvey plugin that will allow nonprofit client organizations to send surveys via text through an interactive and user-friendly scheduling calendar.
- Employing Agile application development process.
- Backend development team; will develop plugin and put through full range of integration and stress testing.

### AIESEC, Ann Arbor, MI

Summer IT Director

May 2019 - PRESENT

- Working in the United States National Office of one of the largest youth-led nonprofit organizations in the world.
- Adding new and creative features to website as well as maintaining existing pages.
- Innovating strategies and technologies to make business processes more efficient.

Vice President of Talent Management

January 2019 - PRESENT

- Member of executive board.
- Head organizer of highly competitive recruitment process of over 50 applicants.
- Created elaborate trackers using VBA that measure performance of all 40 members.
- Used compiled data to drive innovative strategies and new business practices.

## Projects

### Maya Wine Merchants Website

- Wire-framed, designed, and developed multi-page website with animations and intuitive social media sharing capabilities. Integrated other API's to enhance website capabilities.
- HTML5/CSS, Javascript

### Piazza ML

- Built program that used machine learning to categorize posts on an online forum based on key words.
- C++

### Traveling Salesman Problem

- Built MST using Prim's Algorithm; solved TSP with recursion and optimization; produced quick TSP solution using nearest insertion heuristic.
- C++

### Cache Simulator

- Built program that simulated a CPU cache. As the processor simulator executes an assembly-language program, it accesses instructions and data. These accesses are serviced by the cache, which transfers data to/from memory as needed.
- C

### SQL

- Built functioning database that takes SQL commands.
- C++

## Languages and Skills

- C++, C, SQL, HTML5, CSS, Javascript, jQuery, React.js, Python
- MS Office Suite, Google Drive, SketchApp
- Agile

## Activities

- Pi Kappa Phi Fraternity, Mental Health Chair
- IM Soccer

## Charity

### Khushi Hona, 2016

Fundraised to travel and help fund micro projects in India. Worked other organizations through educational aid, technology, and shelter projects.