

Jonathan B. Alpert

248-284-5776

jbalpert@umich.edu

Education

University of Michigan, Ann Arbor, MI

Class of 2022

Current GPA: 3.6/4.0 (Weighted GPA)

Intended Major: Computer Science

Relevant Coursework: Elementary Computer Science,
Data Structures 1, Sociology, Organic Chemistry

Berkley High School, Berkley, MI

May 2019

Current GPA: 4.37/4.0 (Weighted GPA)

Relevant Coursework: AP Biology, AP Chemistry,
Honors Organic Chemistry, Honors Calculus 3

Work Experience

Data Analytics for School of Education - Undergraduate Research Assistant

2019 - Present

- Composed and analyzed Tennessee Department of Education data sets to find relationships between different mentoring practices and aspects of instructional effectiveness in order to improve Tennessee's education in primary and secondary schools
- Applied various covariates such as years of experience, age, demographics, and school level to identify distinct affects in student teachers

Course Projects

Machine Learning Music Composition – Project Team Member

- Collaborated and communicated with project team of 4 to design and implement code using Python
- Utilized various natural language models to autogenerate music from Game Cube music data
- Tested and debugged code to build an accessible user-friendly interface

Community Service

Huntington Woods Fruit Camp - Leader-In-Training

Summer 2011 - 2018

- Participated as a Leader in Training at a local day camp to teach kids viable social skills
- Facilitated recreational outdoor activities in order to promote physically active lifestyles
- Established new innovative ways to entertain the children

Norup International School Homework Club - Tutor

2016 - 2019

- Tutored middle school students in general studies to enhance study habits and test scores
- Organized math and reading comprehension worksheets for students

Berkley High School Educators Rising - Vice President

2016 - 2019

- Managed a pen pal writing system with 3rd graders and high school students to build a stronger community within the Berkley School District.
- Coordinated a teacher appreciation thank you letter writing seminar to recognize the impact of teachers positive affect on students
- Scheduled benefit nights at local restaurants in order to fundraise for various charities

Leadership Experience

MLead - Member

August 2019

- Served as a South Quadrangle community role model welcoming and helping students move into their dorms
- Gained valuable skills on adaptability, building meaningful relationships, and feedback

Mu Alpha Theta (Math Honor Society) - President

July 2018

- Scheduled, lead, and facilitated monthly society meetings
- Communicated with Berkley School District Elementary schools to initiate tutoring services and math events
- Consulted with faculty advisor toward the goal of participating in and winning math competitions

Varsity Cross Country and Track - Captain

August 2018

- Won 27 awards and medals including Oakland Athletic Association Scholar Athlete Award, Cross Country Most Valuable Player Award, and All Regional 1600m medal
- Assisted coaches with team communication while organizing social events such as the corn maze trip and "Chipotle dinners" to boost team spirit and motivation
- Planned and executed annual fundraisers to help raise money for new facilities and equipment

Skills

- Python, C++, HTML, CSS, Bootstrap, JS, R, Stata, Adobe Photoshop, Microsoft Office, Spanish proficiency