

## Education

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**University of Michigan, Ann Arbor**

Sep. 2015 --- April 2018

*Bachelor of Science, Computer Science & Mathematics*

Coursework: Machine Learning, Artificial Intelligence, Web System, Database Management, Operating System

## Projects & Activities

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**SOCRAT: Statistics Online Computational Resource Architecture**

Jan. 2018 --- Current

- Implemented front-end software packages for visualizing confidence interval
- Designed and implemented various charts for visualizing large dataset using VegaLite

**MiTEE: Miniature Tether Electrodynamics Experiment**

Jan. 2017 --- Jan. 2018

- Implemented software packages to translate data from virtual satellite
- Collaborated with multidisciplinary students and faculties to achieve versatile product functionalities

**Android App Design & Implementation: Musica**

Sep. 2017 --- Jan. 2018

- Designed and implemented features for assisting music sight-reading
- Conducted value proposition and business researches according to the App's features

**Operating System Design: Thread Library**

Jan. 2017 --- Feb. 2017

- Implemented own C++ thread libraries to support multi-thread programming
- Wrote multi-threaded oriented programs to test the libraries

**Back-End Game Design: Zombie Shooting**

May 2016 --- June 2016

- Utilized sophisticated C++ data structures to store massive zombie data
- Applied refined algorithms to quickly restore players' information

## Experience

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**Amazon.com, Inc., Seattle, WA**

Software Development Engineer Intern

May. 2017 --- Aug. 2017

- Conducted full stack design and implementation of sales data analysis and visualization
- Utilized Amazon Web Services Lambda and Athena for data processing and retrieving
- Collaborated with product and vendor managers to enhance user experiences

**University of Michigan Medical School Information Services, Ann Arbor, MI**

Data Analyst Intern

May. 2016 --- Aug. 2016

- Maintained MediaWiki website to ensure daily usage of online glossaries
- Utilized Extracted-Transform-Load tools to analyze data and generate reports

## Leadership

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**Model United Nations Club**

President / Honorary President

Feb. 2013 --- Current

- Developed and hosted model UN conferences that earned funding from local companies
- Lectured to college and high school students about Model United Nations principles

## Honors/Awards

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- University of Michigan University Honors
- University of Michigan James. B Angell Scholar