

Jonah Rosenblum

jonaher@umich.edu | 202-770-5642 | jonahrosenblum.com

Education

University of Michigan - Ann Arbor, Honors College

Graduating 2021

B.S. in Computer Science; 3.83 GPA. Complex Systems Minor.

Experience

Under Armour

Baltimore, Maryland

Collaboration Software Intern

May-August 2019

- Improved business facing website by writing custom GraphQL queries to replace API calls and remove data stored in redux, reducing memory overhead for users, increasing cache utilization, and eliminating old API endpoints.
- Built custom Slack and Teams integrations using node.js and botkit to improve process for identifying and solving employee tech and infrastructure challenges. Saved company an estimated \$30,000 per year and greatly reduced resolution time for incidents.
- One of three interns selected to present to CTO and department heads.

Mia Learning

Washington, D.C.

Software Development Intern

May-August 2018

- Developed in-house machine learning and data collection tools to improve the functionality of the company's core product, a chatbot, by working directly with the CTO.
- Streamlined data collection process via automation and pipelining, reducing time required from eight hours to 30 minutes and increasing chatbot's ability to interpret human language.

National Institutes of Health

Bethesda, Maryland

Research Intern

June-August 2016

- Analyzed the effects of chronic liver disease on patients with sleep disorders.
- Evaluated data sets for a clinical research paper and presented findings at medical symposium.

Technical Skills

Languages and Technologies

- Languages: C/C++, Python, Javascript/HTML/CSS, ARM Assembly.
- Technologies: React, Linux, Git, SQL, GraphQL, Bash Scripting, Pandas, Flask.

Relevant Courses

- Introduction to Operating Systems; Data Structures and Algorithms; Web Systems; Introduction to Computer Organization; Evolution in Silicon; Introduction to Cryptology.

Leadership

Sample Sale Black Op

July 2019

- Managed Under Armour employees during three day pop-up sale, raising \$1 million for charity.

Eta Kappa Nu, EE and CS Honors Society

2019 - present

Delta Tau Delta Fraternity

2017 - present

Director Of Academic Affairs (Elected Position)

- Conduct private planning sessions and consultations to develop academic improvement plans.
- Developed resource to connect members sharing similar academic and extra-curricular interests.

University of Michigan Rock Climbing Club

2017 - present

Personal Projects

- *Coevolution*: Evolutionary algorithm based simulation that showcases how an organism's brain and body can evolve in conjunction with one another. Code available on [GitHub](#), [live demo](#).
- *CrockPi*: Raspberry Pi based controller for a slow cooker which modulates cooking time and temperature using a relay and sensors. Code available on [GitHub](#).
- *Haiku Review*: Twitter bot that creates haikus where each line is an abbreviated news article headline. Code available on [GitHub](#), find [@haikureviewlive](#) on Twitter to see examples.