

# Jonah Rosenblum

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## 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 replacing API calls with custom GraphQL queries and eliminated data stored in redux: reducing memory overhead on the user's end, increasing performance through better 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 \$27,000 per year and greatly reduced resolution time for incidents.

**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 - greatly increased 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 3 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)*

- Hold private planning sessions for struggling members to develop academic improvement plans.
- Developed resource to connect members with 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.