

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 removing data stored in redux: reducing memory overhead on the user's end, 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.

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.