Jonah Rosenblum

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Education

University of Michigan - Ann Arbor, Honors College   **Graduating 2021**

Bachelor of Science in *Computer Science;* Complex Systems Minor. 3.83 GPA.

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 the need for 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 22.5 work weeks 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, which reduced time required from eight hours to 30 minutes via automation and data pipelining and 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 team of retail 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.