

# Jonathan Getahun

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## Skills

JavaScript, Python3, React, Redux, MongoDB, Express.js, Node.js, PostgreSQL, AWS, Git, HTML5, CSS3, Heroku

## Projects

**RusticBnb** | (React, Redux, Express, MongoDB)

[live site](#) | [github](#)

*Single-page application created for travelers seeking natural scenery, inspired by Airbnb.*

- Improved efficiency of database by using AWS S3 buckets for storage of images, ensured content security through AWS IAM and pre-signed URLs.
- Implemented Google Maps API for dynamic rendering of listings using geolocation.

**ATM-4-ME** | (PostgreSQL, Twilio, Express, React)

[live site](#) | [github](#)

*An SMS application that gives users the nearest ATMs.*

- Integrated Twilio, AWS RDS, and Google Maps API in the backend to create a fast and efficient SMS service.
- Used React and webpack to create frontend and serve static files to the backend Express framework.

**WeebTube** | (React, Redux, Express, MongoDB)

[live site](#) | [github](#)

*A YouTube based clone that includes many functionalities*

- Incorporated React-Redux container and used front-end state management procedures with multiple components to ensure scalability and optimization.
- Managed database relationships between models using Mongoose ODM, and integrated CRUD operations with those models.

## Professional Experience

**Nine East**

**Baltimore, Maryland**

*Community Assistant*

June 2019 – August 2020

- Oversaw the health and safety of ~2,000 underclassmen for the school year, responded to 16 medical emergencies and created 30 program initiatives.

**UMD School of Medicine Neurology Department**

**Baltimore, Maryland**

*Clinical Research Coordinator*

January 2020 – April 2020

- Leveraged Excel's VBA to program a test that calculated the scores of 20 research subjects' performances in order to find correlations in mental states.

**Applied Physics Lab**

**Laurel, Maryland**

*Artificial Intelligence Intern*

March 2019 – May 2019

- Assisted with developing a series of AI safety challenges that explored constraints that exist in the field using python.

## Education

**Johns Hopkins University**

**Baltimore, Maryland**

*Bachelors of Science in Neuroscience*

August 2014-May 2019

*University of Helsinki: Fullstackopen Course*

September 2020-October 2020

## Interests

Running, Reading, Drawing, Video/Board Games