# Adam Rahman

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## EDUCATION

### Wesleyan University
**Sept. 2016 – May 2019**

*B.A. Computer Science, Theater; 3.5/4.0*

Graduated May 2019; Patricelli Center Fellow; Deans' List

## EXPERIENCE

### Buildly
**Sep 2019 – Nov 2019**

Backend Developer Intern

- Debugged and tested features for the Buildly product backend, including the management of multiple endpoints and connecting multiple databases
- Maintained and executed unit and integration tests for the product core

### UNICEF
**Dec 2018 – Feb 2019**

Software Engineer Intern

- Implemented utilites to retrieve road networks for countries and compute distances between coordinates in large geospatial datasets with machine-learning and networking libraries
- Optimized algorithm performance to improve geospatial computation speed by thousands of times
- Provisioned a Docker image bundled with these utilities and additional libraries for Magicbox developers and data scientists

### Kurani
**June 2018 – August 2018**

Computer Science Intern

- Integrated Raspberry Pi sensor data and IBM Watson Machine Learning predictions in prototype IoT dashboards
- Pitched to and collaborated with CEO on IoT implementation in learning space architecture

### Wesleyan Local Co-Op
**Sept. 2017 – Feb. 2019**

Programmer

- Implemented web and command-line utilities to retrieve Qualtrics survey data, compute share prices for participants, and output a spreadsheet for co-op coordinators to determine total shares and money owed per-person

## PROJECTS

### Magicbox Geospatial Routing API
**July 2019**

Django, Docker, React, PostgreSQL

- Implemented a geospatial computation microservice for UNICEF's Magicbox platform, incorporating the utilities developed during the internship period
- Designed a frontend to upload datasets and view road network visualizations with React and kepler.gl

### RESP
**June 2019**

Node, Express, React, MongoDB

- Implemented a REST API to check-in natural disaster survivors, store them in a database, and query nearby health facilities with the Healthsites.io API, deployed at resp-angelhack.herokuapp.com
- Designed a frontend to display checked-in survivors and local health facilities
- Winner of the IBM Call for Code Challenge at AngelHack Manhattan

## TECHNICAL SKILLS

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|---|---|
| LANGUAGES | Python, JavaScript (ES6+), Java, HTML5, CSS3, Bash |
| CONCEPTS | RESTful API Design/Integration, MVC Architecture, Agile |
| FRAMEWORKS | Django, Flask, Express, React, Jest, Robot |
| TOOLS | Git, Docker, Heroku, Google Cloud Platform (GCP), Amazon Web Services (AWS) |
| DATA | PostgreSQL, GraphQL, MongoDB |
| TESTING | Unit, Integration, End-to-End |