

Adam Rahman

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EDUCATION

Middletown, CT

Wesleyan University

Sep. 2016 – May 2019

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

Patricelli Center Fellow; Deans' List

EXPERIENCE

Backend Developer Intern

Buildly

Sep '19 – Nov '19

- 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

Software Engineer Intern

UNICEF

Dec '18 – Feb '19

- Implemented utilities 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

Computer Science Intern

Kurani

Jun '18 – Aug '18

- 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

Programmer

Wesleyan Local Co-Op

Sep '17 – Feb '19

- 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

Django, Docker, PostgreSQL

Magicbox Geospatial Routing API

July '19

- 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
- Provisioned the microservice as a Docker container for streamlined deployment

Node, Express, React, MongoDB

RESP

Jun '19

- 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
- 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

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