Adam Rahman

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EDUCATION

2016–2019	**Wesleyan University** *B.A. Computer Science, Theater; 3.5/4.0* Patricelli Center Fellow; Deans' List

EXPERIENCE

Sep '19 — Nov '19

Buildly
Software Engineering Intern | New York, NY (Remote)
- 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

Dec '18 — Feb '19

UNICEF
Software Engineering Intern | New York, NY
- 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

Jun '18 — Aug '18

Kurani Architecture Firm
Computer Science Intern | New York, NY
- Integrated Raspberry Pi sensor data and IBM Watson Machine Learning predictions in prototype IoT dashboards

Sep '17 — Feb '19

Wesleyan Local Co-Op
Programmer | Middletown, CT
- 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

July '19

Magicbox Geospatial Routing API
Django, Docker, PostgreSQL | magicbox-routing.herokuapp.com
- 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

Jun '19

RESP - Psychological First-Aid for Natural Disasters
Node, Express, MongoDB, React | resp-angelhack.herokuapp.com
- 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

AWARDS

Aug '19

IBM Call for Code Challenge Winner
AngelHack Manahttan

Nov '17

Social Good Award
Wellesley Hacks