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

Dec '18 — Feb '19	**UNICEF** Software Engineering Intern | New York, NY • Implemented high-performance utilities for UNICEF's open-source Magicbox platform to retrieve road networks for countries and compute distances between large geospatial datasets • Collaborated with UNICEF Innovation's development and data science teams via a Scrum framework • Deployed a Docker container bundled with geospatial analysis tools for Magicbox developers and data scientists
Jun '18 — Aug '18	**Kurani Archiecture Firm** Computer Science Intern | New York, NY • Prototyped IoT and AI integration in classrooms by designing dashboards to serve Raspberry Pi sensor data and sentiment analysis predictions

PROJECTS

Aug '19	**Carceral Contagion - Agent-Based Mass Incarceration Model** Data Engineer | Python (iGraph), D3 • Designed an agent-based simulation of racial disparities in mass incarceration through a synthetic population network • Implemented a browser visualization with WebSockets and D3.js
July '19	**Magicbox Geospatial Routing API** Backend Engineer | Django, Docker • Developed and documented a API for Magicbox engineers to run computations on large geospatial datasets and retrieve road networks
Jun '19	**RESP - Psychological First-Aid for Natural Disasters** Backend Engineer | Django, React • Designed a REST API with check-in, status, and sentiment analysis functionality • Winner of the IBM Call for Code Challenge at AngelHack Manhattan

TECHNICAL SKILLS

LANGUAGES	Python, JavaScript(ES6+), HTML5, CSS3
CONCEPTS	RESTful API Design/Integration, MVC Architecture, Agile
TOOLS	Git, Docker, Heroku, Google Cloud Platform
FRAMEWORKS	Django, Flask, Node.js + Express, Vue.js, React