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# Aislinn Cronin

**Location:** New York, NY

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## RELEVANT EXPERIENCE

**Medidata Solutions** - New York, NY

**May 2018-Present**

*Software Engineer, Applications*

- Develops and maintains high performing, scalable and reliable RESTful APIs consumed by both internal integrators and external customers built with Ruby on Rails, MySQL database and multiple AWS solutions
- Investigates and diagnoses critical production issues across many services and levels of the stack to provide robust solutions in a timely manner
- Applies the use of automated tests, continuous integration and code review while staying up to date with best practices to ensure the best quality of code and application
- Was the team's key member for a performance and scalability initiative resulting in improvements in response times of up to 80% for many of the most problematic routes

## PERSONAL PROJECTS

**Sharebnb** — (Rails, Javascript, PostgreSQL, React, Redux) | [Live](#) · [GitHub](#)

*A full-stack, single-page application for booking short-term accommodation inspired by Airbnb*

- Stores images in the cloud using AWS S3 to improve scalability and reduce load time
- Integrates Google Maps API for seamless geolocation based searching of homes
- Implements model-level custom validations to enforce realistic bookings of homes

**AlgoVisuo** — (JavaScript, D3, HTML/CSS) | [Live](#) · [GitHub](#)

*A project using visual representations of algorithms to promote deeper understanding*

- Integrates D3 transitions to produce animated visualizations of the algorithms' steps
- Displays visualizations of multiple sampling algorithms including simple random, Mitchell's best candidate, and Poisson Disc
- Features a machine learning k-nearest-neighbor algorithm and accompanying visualization

## SKILLS

Ruby	AWS	RSpec	Rails	jQuery	React
SQL	Javascript	Git/Github	HTML/CSS	D3	Redux

## EDUCATION

**Georgia Institute of Technology, Online** - *Master of Science, Computer Science*

ANTICIPATED GRADUATION 2023

**App Academy, New York, NY**

JANUARY 2018 - APRIL 2018

Topics: TDD, scalability, algorithms, data structures, OOP, coding style, REST, security and best practices

**Binghamton University, Binghamton, NY** - *Bachelor of Science, Chemistry, Nursing*

AUGUST 2011 - MAY 2016

Honors: Dean's list Spring & Fall 2014, Spring & Fall 2015, Spring 2016, Sigma Theta Tau International Honors Society



Portfolio



GitHub



LinkedIn