

# Moktar Jama

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moktar.jama@aya.yale.edu • (646) 320-4407 • 324 E 108th Street, New York, NY 10029

## PROJECTS

**BillionairBnB**, Ruby/Rails, React/Redux — [GitHub Live](#)

**April 2017 - May 2017**

A luxury rental application inspired by Airbnb

- Utilized Google Maps API to dynamically filter search results based on current map bounds
- Implemented pseudo-fuzzy search that accounts for abbreviations and misspellings
- Integrated Airbnb's React Dates library to bookings component for intuitive user experience
- Composed database validations and polymorphic associations to improve load performance

**mazeCraft**, HTML5, CSS3, JavaScript — [GitHub Live](#)

**May 2017 - May 2017**

A visualization of maze generation algorithms, representing a tree on a graph with a grid and walls

- Followed object-oriented principles to separate aspects of maze for scalability
- Integrated HTML and CSS to showcase the process of the maze being generated
- Wrote algorithms with distinct patterns that always form novel and solvable mazes

**DynaORM**, Ruby, SQL — [GitHub](#)

**May 2017 - May 2017**

An object relational mapping software inspired by ActiveRecord

- Maintained code DRYness and readability by separating actions into distinct methods
- Used metaprogramming to allow users to dynamically create their own association methods
- Structured to account for user input while also being capable of creating methods by default

## EDUCATION

**App Academy, New York, NY**

**February 2017 - May 2017**

1000-hour programming bootcamp with a <3% acceptance rate, focusing on OOP and algorithms

**Yale University, New Haven, CT**

**August 2011 - May 2015**

Bachelor of Arts in History of Science, Medicine, and Public Health, 3.58 GPA

## EXPERIENCE

**Yale School of Medicine**, Genetics Research Assistant

**January 2013 - August 2015**

- Contributed to research involving the infection process of HPV by fluorescent protein tracking.

## SKILLS

Ruby | Rails | JavaScript | jQuery | React.js | Redux | RSpec | SQL | Git | HTML5 | CSS3