

# Moktar Jama



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moktar.jama@aya.yale.edu • (646) 320-4407 • 324 E 108th Street Apt 14B, New York, NY 10029

## **PROJECTS:**

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

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 allows users to accurately search with abbreviations
- Integrated libraries such as React Dates and React Slick to enhance presentation
- Composed database validations and polymorphic associations to improve load performance

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

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

- Followed object-oriented principles to separate reusable aspects of visualization from algorithms
- Integrated HTML and CSS with algorithms to showcase the creation of the maze
- Wrote algorithms with distinct patterns that always form novel and solvable mazes

**DynaORM**, Ruby, SQL — [GitHub](#)

An object relational mapping software inspired by ActiveRecord

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

## **EDUCATION:**

**Yale University, New Haven, CT**

**August 2011 - May 2015**

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

**App Academy, New York, NY**

**February 2017 - May 2017**

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

## **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