

Moktar Jama

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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

PROJECTS:

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

A luxury rental application inspired by Airbnb

- Utilizes 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
- Created reusable React components for flexibility and scalability
- Composed rigorous database validations and polymorphic associations to improve performance

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

A visualization of maze generation algorithms

- 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
- Represents the creation of a tree on a graph with a grid and walls

DynaORM, Ruby, SQL — [GitHub](#)

An object relational mapping software inspired by ActiveRecord

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

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

