

# Jonathan M. Rodriguez

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## EDUCATION

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**Kean University, Union, NJ**

*June 2013 - Expected: May 2017*

*Bachelor of Science, Computer Science*

*Minor: Mathematics*

Relevant Coursework: Data Structures, Systems Programing, Algorithms, Information Systems Programming, Database Management Systems

## PROJECTS

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**Room Reservation System, Information System Application**

- Displayed available/booked rooms according to date range
- Integrated database connectivity with MySQL and 3rd normal form
- Designed queries to check availability of rooms (depending on date selected)

**Emojify, Web Application**

- Converted text to emojis using JavaScript and CSS
- Imported CSS libraries to convert emojis to images
- Implemented real time updating of text/emojis

**Simon Says, Web Application**

- Designed encapsulated user interface using HTML/CSS
- Enabled interactivity using pure Javascript
- Prevent unwanted actions using jQuery

## TECHNICAL SKILLS

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- Java, C, R, PHP (back-end), HTML/CSS, Javascript (front-end)
- jQuery, AngularJS, Ionic, AJAX, MySQL, Karma/Jasmine (Code Testing)
- UNIX/Linux, Git, Adobe Photoshop, Xcode, Vim

## EMPLOYMENT/AWARDS/ACTIVITIES

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- Software Engineering Intern, Aventr (May 2016 - Present)
  - Build front-end for first app release using AngularJS and Ionic
  - Create API functions to retrieve responses from MongoDB
  - Write unit and E2E tests to ensure code stability
- National Science Foundation (NSF) Computer Science S-STEM Scholarship
  - Competitive academic merit scholarship from NSF
- Vice President, Association of Computing Machinery Kean Chapter (Fall 2016 - Spring 2017)
- Tutor, Computer Science Kean (Spring 2016 - Present)
  - Tutor students taking introductory Java programming courses
  - Guide students in good programming practices; how to write clean and elegant code