

# Dennis McDaid

## EMAIL

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## MOBILE

(845) 849 - 5942

## WEBSITE

rajahbimmy.github.io

## GITHUB

RajahBimmy

## EXPERIENCE

WEB DEVELOPER  
New York University  
New York, NY  
04/2015 - 05/2016

- Delivered large scale CRUD applications to over 12,000 users by taking advantage of RESTful routing and adhering to the MVC paradigm.
- Tripled loading speed of the web portal by shrinking massive table joins into cleaner, more compact views.
- Reduced database hits by approximately 85% through implementation of .NET's caching system.
- Collaborated in an agile development environment, meeting with clients on a bi-monthly basis to offer demos and collect feedback.
- Designed web applications which eliminated half of all paper forms and allowed administration to delegate projects with greater flexibility.

RESEARCH ASSISTANT  
VirtualPlant Lab,  
NYU Biology  
New York, NY  
10/2015 - Present

- Worked with MEAN stack to develop a data visualization web app which performed complex comparisons between massive gene sets.
- Overhauled just under ten thousand lines of legacy code from Java to Javascript, allowing a gene analysis application to run on modern browsers.
- Fully redesigned the User Interface through utilization of p5, d3 and jQuery to replace the Java GUI components.
- Extended comparison functionality to include other data sets, such as Batting Average and On Base Percentage for baseball players

TEACHING ASSISTANT  
NYU Courant  
New York, NY  
08/2015 - 12/2015

- Listened attentively as students attempted to clarify their confusion with programming concepts, and introduced more tangible, generalized problems which would guide students toward the correct answers.
- Developed strong communication skills through advising students on best practices of web development, with a focus on wireframing before execution, and utilizing resources like Bootstrap to simplify the process.

## LANGUAGES

JavaScript (Proficient)  
C# (Proficient)  
Java (Proficient)  
Python (Frequent Use)  
Swift (Some Experience)  
C++ (Some Experience)

## EDUCATION

NEW YORK UNIVERSITY, Class of 2016  
Bachelor's Degree, Software Development (*cum laude*)  
*Web Applications and Programming Minor*  
GPA: 3.7

RELEVANT COURSEWORK  
iOS Development, Natural Language Processing,  
Database Design and Web Implementation,  
Data Structures, Operating Systems

## RESOURCES

Git/GitHub  
MySQL/MSSQL  
ASP.NET MVC  
Node.js  
Unreal Engine  
MongoDB

## SELECTED PROJECTS

Sentiment Forecast (2016) [rajahbimmy.github.io/SentimentForecast](https://rajahbimmy.github.io/SentimentForecast)  
**Winner, HackNYU 2016.** Sentiment Forecast scrapes data from social media sites to perform stock market visualizations based on positive or negative public perception, using d3.js and the Alchemy Natural Language Processor.

Sungear (2015 - 2016) [rajahbimmy.github.io/Sungear-Port](https://rajahbimmy.github.io/Sungear-Port)  
Gene analysis application which visualizations intersections and unions between different gene sets. Constructed entirely in JavaScript, utilizing node and p5 to handle a large-scale port of a Java graphical application.