Dennis McDaid

EMAIL
dennis.mcdaid@nyu.edu

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*
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*
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.