Jeremy Dalcin

MIT Graduate

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Objective:

A highly motivated biotechnologist seeking to switch careers into web development or software engineering.

Education:

Massachusetts Institute of Technology   May 2013

Bachelor of Science in Brain & Cognitive Sciences

Minor in Chemistry, Concentration in Philosophy

University of Maryland, College Park, MD   September 2014 - December 2015

Graduate Coursework in Biochemical Engineering

Udacity   March 2017

Online degree in Full-Stack Engineering

Relevant Skills: Java, JavaFX, HTML5, CSS, C#, C, Matlab, Vim, and Algorithms & Data Structures

Code Projects:

Elements of Programming Interviews in JAVA by Adnan Aziz   February 2016 - July 2016

- Coded solutions to most problems within the textbook. Concepts included:
  - Dynamic Programming   - Graph Theory   - Greedy Algorithms
  - Recursion   - Binary Search Trees   - Sorting
  - Hash Tables   - Binary Trees   - Searching
  - Heaps   - Stacks & Queues   - Linked Lists
  - Strings   - Arrays   - Algorithm Analysis

Relevant Coursework:

- **Algorithms & Data Structures –** an MIT course designed for theoretical analysis into the essential algorithms and data structures used in software libraries – from the theory behind hashing to the intricacies of graph theory and dynamic programming
- **Methods of Engineering Analysis** – studied linear and nonlinear multivariate regression applied to statistics, linear transformations applied to vector graphics, eigenvector representations and solutions to dynamical systems, data compression through singular value decomposition, and applications of principal component analysis to computer vision.
- **Intro to Computer Science (CS50)** – an online Harvard course designed to give familiarity into abstraction, encapsulation, resource management, software engineering, web development, security, algorithms, and data structures.

Leadership Experience:

Co-manager at Richard Dalcin Studios   September 2013 - June 2014

- Organized business meetings, headed marketing, helped design website, assessed business strategies, and prepared special events such as bridal shows. This resulted in a 50% increase in sales during the year.