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Website: j1.io  
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## **EDUCATION**

### **University of Massachusetts Amherst**

May 2019

B.S. Computer Science

Commonwealth Honors College - GPA: 3.41

Relevant coursework: data structures, programming methodology, cyber security, calculus I & II.

### **Wilton High School - Wilton, CT**

June 2015

GPA: 3.73

Colt Award for Excellence, honor role: 4 semesters, high honor roll: 4 semesters.

Relevant coursework: problem solving with computers, advanced graphic design.

### **Vassar College - Poughkeepsie, NY**

Summer 2014

Java programming

### **International House - Madrid, Spain**

July 2013

Certified Spanish coursework

## **PROJECTS (Available on GitHub)**

**OakYak** - Asynchronous social forum app using using Mongo and Meteor.

**SudokuSolver** - Arbitrary Sudoku board parser and solver written in Scala.

**Hanoi** - Towers of Hanoi solver in Java.

**SortingKata** - Heapsort, quicksort, and insertion sort in Java.

**Microscope** - Microscope project from Discover Meteor.

**MazeSearch** - Maze searching algorithm with breadth-first, and depth-first functionality.

## **SKILLS**

**Programming Experience:** HTML, CSS, Java, Python, JavaScript, PHP, Scala, and VB.NET.

**Frameworks & environments:** Linux, SQL, MongoDB, LAMP, MEAN, Express.js, Apache, NGINX, Passenger, Meteor.js, Node.js, Bootstrap, NPM, and Photoshop.

Collaboration, Git, project management, unit & integration testing, and algorithm design/analysis.

Responsive design, SEO, graphic design, logo/brand creation, penetration testing, attack mitigation, and CDNs.

## **EXPERIENCE**

### **Wilton Public Schools Information Technology**

May 2015 - August 2015

Deployed new hardware to entire school, systems administration, network and infrastructure management.

### **Caraluzzi's Market - Cashier**

September 2012 - May 2014

### **Pastehistory - Freelance**

Freelance website, backend, and API design, large managed database, 1,000 daily users, acquired by

Pastebin.com in February. Created paste mirroring implementation with parsing, archiving, dynamic indexing, accompanying API.

### **NPM Publication**

Published multiple NPM modules.