

JESSE BARTOLA

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EDUCATION

Computer Science (B.S.)
University of Massachusetts Amherst

3.79 GPA
May 2019

Dean's List
National Society of Collegiate Scholars

2015 – Present

Notable Coursework

CS187 Programming w/ Data Structures, CS220 Programming Methodology,
CS230 Computer Systems Principles, CS250 Introduction to Computation

TECHNICAL SKILLS

Proficient: Java, Scala, Python, Javascript, HTML

Experience: CSS/SASS, iOS (Swift), MongoDB, SQL

Certifications: C#, Microsoft Technology Associate (MTA)

JOB EXPERIENCE

Teaching Assistant University of Massachusetts 2016

- Oversaw the curriculum and administration for the Programming Methodology course
- Assisted professor and TAs in teaching the functional programming paradigm using Scala
- Held weekly office hours and taught discussion sections

Lead Platform Engineer TxtAdvice LLC 2015

- Developed web application that provided users with realtime fashion advice from professional stylists
- Created an SMS/MMS interface using React.js, Twilio's API, and Python's Flask web framework. Configured PostgreSQL to collect and analyze user usage data

INDEPENDENT PROJECTS

Medicus 2016

- Led a team of students in engineering an iOS application which employed machine learning and image recognition to accurately diagnosis various skin conditions within a predetermined confidence interval
- Trained models with Clarifai's image recognition API to accommodate the identification of common skin ailments

Wave Calendar 2016

- Constructed a full-scale social networking website that allows users to locate parties in their area
- Utilized AngularJS to establish a responsive user interface

Basic Chat 2015

- Implemented an instant messaging web application that allows users to exchange messages with little to no latency
- Harnessed Socket.IO and MongoDB to provide fast and reliable performance

HONORS/AWARDS

3rd Place 2015 Hack UMASS

Worked with a team of students to develop iOS application utilizing Arduino sensors to monitor multiple sclerosis symptoms in patients

2nd Place Computer Programming, 2015 NJ SkillsUSA State Championships

Competed against 200+ programmers from New Jersey in Java applet development