

JESSE BARTOLA

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EDUCATION

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

3.77 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

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|---|-----------------------------|------|
| Teaching Assistant | University of Massachusetts | 2016 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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

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| Medicus | 2016 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• Constructed a full-scale social networking website that allows users to locate nearby parties• Utilized AngularJS to establish a responsive user interface | |
| Basic Chat | 2015 |
| <ul style="list-style-type: none">• 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

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|-----------------------------|--|
| 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 |