

# JESSE BARTOLA

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## EDUCATION

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

3.84 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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|---|-----------------------------|------|
| <b>Teaching Assistant</b>   | University of Massachusetts | 2016 |
| <ul style="list-style-type: none"><li>• Oversaw the curriculum and administration for the Programming Methodology course</li><li>• Assisted professor and TAs in teaching the functional programming paradigm using Scala</li><li>• Held weekly office hours and taught discussion sections</li></ul>                       |                             |      |
| <b>Lead Platform Engineer</b>   | TxtAdvice LLC               | 2015 |
| <ul style="list-style-type: none"><li>• Developed web application that provided users with realtime fashion advice from professional stylists</li><li>• 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</li></ul> |                             |      |

## INDEPENDENT PROJECTS

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|--|------|
| <b>Medicus</b>   | 2016 |
| <ul style="list-style-type: none"><li>• 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</li><li>• Trained models with Clarifai's image recognition API to accommodate the identification of common skin ailments</li></ul> |      |
| <b>Wave Calendar</b>   | 2016 |
| <ul style="list-style-type: none"><li>• Constructed a full-scale social networking website that allows users to locate nearby parties</li><li>• Utilized AngularJS to establish a responsive user interface</li></ul>  |      |
| <b>Basic Chat</b>  | 2015 |
| <ul style="list-style-type: none"><li>• Implemented an instant messaging web application that allows users to exchange messages with little to no latency</li><li>• Harnessed Socket.IO and MongoDB to provide fast and reliable performance</li></ul>   |      |

## HONORS/AWARDS

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|-----------------------------|--|
| <b>3<sup>rd</sup> Place</b> | <b>2015 Hack UMASS</b><br>Worked with a team of students to develop iOS application utilizing Arduino sensors to monitor multiple sclerosis symptoms in patients |
| <b>2<sup>nd</sup> Place</b> | <b>Computer Programming, 2015 NJ SkillsUSA State Championships</b><br>Competed against 200+ programmers from New Jersey in Java applet development               |