

# Olivia Morgan MacDougal

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## Education

**Tufts University**, Medford, MA

*Bachelor of Science in Computer Science*, expected May 2018

Dean's List – Spring 2016, Spring 2015, Fall 2015

Related Coursework: Mobile Development, Programming Languages, Web Programming, Machine Structure and Assembly Language Programming, Discrete Math, Data Structures, Calculus 1 and 2

Other Coursework: Intro to Linguistics, Latin American Literature, African Music Ensemble Kiniwe

## Related Work Experience

- **Data Structures, Tufts University**, Medford, MA  
*Teaching Assistant*, January 2016 – present  
Grade student's homework and projects coded in C++ weekly. Hold office hours and answer questions about data structures, help students learn to write and debug code for assignments.
- **iD Tech Camp at Washington University in St. Louis**, St. Louis, MO  
*Instructor*, June 2016 – August 2016  
Taught 1-week introduction courses in Scratch, Javascript and C++ to children ages 7-16. Assisted in final project development and other camp activities.
- **Introduction to Computational Design, Tufts University**, Medford, MA  
*Teaching Assistant*, August 2015 – December 2015  
Taught introductory MATLAB weekly labs of 10-15 students. Assisted students with questions and problems. Created rubrics for and graded student's submitted lab and homework assignments.
- **BARcelona Tapas Bar**, Clayton, MO  
*Server*, May 2015 – August 2015  
Worked in a high-volume, fast-paced environment. Learned to be detail oriented and work under periods of intense pressure, while maintaining a professional yet friendly attitude towards customers.
- **Massachusetts Healthy Families Evaluation, Tufts University**, Medford, MA  
*Data Collection Research Assistant*, August 2014 – May 2015  
Worked as part of a data collection team. Successfully engaged children during a standardized protocol administered in family homes. Became a certified mandated reporter.

## Programming Skills

**Languages:** C++, MATLAB, C, HTML5, CSS, Javascript, Java

**Software:** Node.js, jQuery, Git, Unix Command Line, Android Studio

**Operating Systems:** Windows 8 and 10, Linux Debian and Mac OS X

## Foreign Languages – Spanish, fluent

## Leadership and Activities

**Tufts University:**

- *JumboCode – Fall 2016*: Front-end mobile development and design for Tufts Admission project.
- *Tufts Mountain Club*: Lodge Caretaker and hiking trip leader. Certified to drive university vehicles.
- *Tufts Wilderness Pre-Orientation Program*: Trip Leader (Fall 2016), Support Staff (Fall 2015).
- *Tufts Dance Collective*: Dance choreographer for spring 2015 show.
- *Tufts LCS Halloween on the Hill*: Group leader and student outreach coordinator.
- *Tufts Polyhack Hackathon - Fall 2015*: Front-end development for Daytripr road trip web application using Google Java Map Services API and TripAdvisor's API.