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 2015 and Fall 2015
Related Coursework: Web Programming, Machine Structure and Assembly Language Programming,
    Discrete Math, Data Structures, Intro to CS, Intro to Computing in Engineering, Calculus 1 and 2
Other Coursework: Intro to Linguistics, African Music Ensemble Kiniwe, Film in Latin America and Spain

Clayton High School, Saint Louis, MO
Graduated: May 2014 with high honors
GPA: 3.98; AP Scholar with Honors; Missouri Top 100 Scholars

Related Work Experience

- **Introduction to Computer Science, Tufts University,** Medford, MA
Teaching Assistant, January 2015 – present
Grade student's homework and projects coded in C++ weekly. Hold office hours biweekly. Answer
questions about basic CS topics, help students learn to write and debug code for assignments.

- **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, MySQL
Software: Vim, GNU Debugger, Valgrind, Git, Unix Command Line and Microsoft Office Suite
Operating Systems: Windows 8 and 10, Linux Debian and Mac OS X

Foreign Languages – Spanish, fluent

Leadership and Activities

Tufts University:
- *Tufts Polyhack Hackathon 2015*: Daytripr road trip web application using Google Java Map
  Services API and TripAdvisor's API.
- *Tufts Dance Collective*: Dance choreographer for spring 2015 show.
- *Tufts LCS Halloween on the Hill*: Group leader and student outreach coordinator.
- *Tufts Mountain Club:* Lodge Caretaker. Certified to drive university vehicles.
- *Tufts Wilderness Pre-Orientation Program:* Support Staff. CPR and WFA certified.

Clayton High School:
- Captain of the Varsity Track and Field Team (2012–2014)
- Public Relations Officer for the Clayton FIRST Robotics Team 4500 (2013–2014)
- Photojournalism Co-Editor for the CHS *Globe Newsmagazine* (2012–2014)