

Olivia Morgan MacDougal

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Portfolio: <https://github.com/olivaceously>

Education

Tufts University, Medford, MA

Bachelor of Science in Computer Science, expected May 2018

Dean's List, GPA: 3.57

Coursework: Algorithms, Intro to Computer Security, Mobile Development, Programming Languages, Web Programming, Machine Structure and Assembly Language Programming, Discrete Math, Data Structures, Calculus I and II, Latin American Literature, African Music Ensemble Kiniwe

Work Experience

PlacePass, Inc.

Cambridge, MA

Full Stack Developer Intern

June 2017 – August 2017

- Replaced outdated HTML/CSS for all pages on placepass.com, following new style guidelines.
- Completed the front-end development of moments.marriott.com, including the completion of pages within the checkout flow, QA testing, bug fixes, and cross browser compatibility testing.
- Deployed Google Tag Manager on the Marriott Moments website to track and send key user data to Mixpanel and Google Analytics to provide business insights.

Computer Science Department, Tufts University

Medford, MA

Recitation Leader, Programming Languages

August 2017 – present

- Lead weekly recitations to provide example problems and solutions to students.
- Hold office hours and answer questions about topics relating to programming languages.
- Grade student's homework, code and theory, weekly.

Teaching Assistant, Data Structures and Intro to CS

August 2015 – December 2016

- Graded student's homework and projects coded in C++ weekly.
- Held office hours and answered questions about data structures.
- Helped 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.

Skills

Languages: C++, C, HTML5, CSS3, Sass, Javascript, Rails

Software: Node.js, jQuery, Git, Unix CLI, Android Studio, Ruby on Rails, Heroku

Technologies: Google Maps API, TripAdvisor API, MongoDB, Google Tag Manager, Google Analytics, Mixpanel, Optimizely

Operating Systems: Windows 8 and 10, Linux (Debian, Ubuntu, Kali), Mac OS X

Foreign Language: Spanish, fluent

Projects

Treble: Design and development of Android application using Spotify API, MongoDB

Jeko: Web application using Express, Google Maps API, Heroku, MongoDB

Daytripr: Design and front-end development of road trip planning web application for Polyhack Hackathon Fall 2015 using Google Maps API and TripAdvisor API

Leadership and Activities

- *JumboCode:* Project Lead for JumboCode website (Fall 2017);
Front-end mobile development for Tufts Admission project (Fall 2016).
- *Tufts Mountain Club:* Caretaker of Tufts Lodge and hiking trip leader.
- *Tufts Wilderness Orientation Program:* Trip Leader (Fall 2016, 2017), Support Staff (Fall 2015).