

## Iris Oliver

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### Education

#### **Tufts University**

- Computer Science, Education, and Arabic, expected BS in Spring 2019.
- Current GPA: 3.73, Dean's List all semesters.
- **Relevant Coursework:** Web Programming, Data Structures, Machine Structure and Assembly Language, Computational Theory, Mobile Development

**Concord Academy** - June 2015

### Relevant Experience

#### **Tufts University Department of Computer Science / Teaching Assistant**

September 2017 - PRESENT, Tufts University, MA

- Explain programming and design concepts to students in weekly office hours, grade assignments.
- Guide students on design decisions for large projects.

#### **Microsoft TEALS Volunteer Program / Teaching Assistant**

September 2017 - PRESENT, Cambridge Rindge and Latin School, Cambridge, MA

- Guide students to understand programming concepts and to learn to debug their own code
- Interact with students one on one to identify problems in their code and gauge their understanding

#### **Tufts University Center for Engineering Education Outreach / STEM Education Fellow**

September 2016 - PRESENT, Tufts University, MA

- Teach engineering concepts to 4th and 3rd grade students by building and experimentation
- Develop engaging semester-long curriculum for students

#### **Explo at Wellesley / Curriculum Designer, Instructor and Resident Advisor**

January 2017 - August 2017, Wellesley College, MA

- Designed original curriculum to teach Venture Capitalism to middle school students
- Instructed Venture Capitalism class, Aeronautical Engineering, and Henna Body art courses

#### **Constant Therapy / Research Study Coordinator and Intern**

June 2016 - August 2016, Newton, MA

- Created, designed, and implemented study to collect data about people using the Constant Therapy app.
- Recruited workers through Amazon mTurk, and volunteers from local senior centers as participants

#### **Jumpstart Americorps / Corps Member**

September 2015 - May 2016, Tufts University, Boston, MA

- Improved literacy of students in Chinese Church preschool, worked in classroom for 6 hours a week
- Received Segal AmeriCorps Education Award for 300 hours of service over the year

### Skills

**Programming Projects:** Android app to exchange favors (current project), Uber Simulation Web App using GPS services, Lossy Image Compression, Universal Virtual Machine, Type-Checker, SAT Solver, Image Processing and Rotation with Locality, HTML/Javascript web survey form

**Programming Languages/Technologies :** C, C++, Java, Javascript, HTML, CSS, NodeJS, Android Studio, SQL, ML, Scheme, Balsamiq, Amazon Mechanical Turk, Python (beginning)

**Languages:** French, Tamil, intermediate Arabic, beginning Spanish

**Extracurriculars/Interests:** Tufts Arabic Music Ensemble (violin player), Tufts South Asian Political Action Committee, Tufts Women in Computer Science, Tufts Mountain Club, Tufts Asian American Center Peer Leader

**Entrepreneurship:** Designed and taught Venture Capitalism course, 3rd Place Winner of TyE International Business Plan Competition