

# Liat Litwin

966 Hildale Ave. Berkeley, CA • 510.908.3884 • liat.litwin@gmail.com

## EDUCATION

---

### **Tufts University, Medford, MA - May 2014, Magna Cum Laude**

GPA: 3.70, Dean's list

Bachelor of Science in Cognitive and Brain Science, minor in Judaic Studies

Honors and Awards: Psi Chi Honor Society, Maureen O'Donnell Oxford Classical Dictionary Award, Scholar with Honor

## RELEVANT COURSEWORK

---

Intro to CS, Data Structures, Web Programming, Human Computer Interaction, Object Oriented Programming for Graphical User Interfaces, Graphic Design

## RESEARCH EXPERIENCE

---

### **Senior Project: Using Brain Input for Adaptive Google Glass Information Delivery**

*Human Computer Interaction Lab at Tufts University*

September 2013- May 2014

- Developed an application and integrated it with Google Glass to conduct research in passive Brain-Computing Interfacing (BCI) with Functional Near Infrared Spectroscopy (fNIRS)
- Managed the programming and design of the primary Unity3D application, working closely with PhD students to ensure the application can be used in related future studies

### **NSF Research Experience for Undergraduates (REU): Emerging Interface Technologies and Human Computer Interaction**

*Iowa State University's Virtual Reality Applications Center (Human Computer Interaction department)*

May-August 2013

- Engaged in coursework on the fundamentals of 3d graphics: OpenGL and Autodesk Maya3D
- Collaborated with an interdisciplinary team: designing, running, writing about, and presenting a study entitled "Mitigating Cybersickness: A Virtual Hand-Eye Coordination Task"
- Responsible for developing an immersive 3D virtual environment in a head mounted display with Unity3D
- Documented daily activities and projects in online blog: <http://projects.vrac.iastate.edu/REU2013/>

## WORK EXPERIENCE

---

### **Digital Design Studio Tisch Library, Medford, MA, Student Assistant, September 2011 – May 2014**

- Provided technical assistance and support for patrons using Adobe Photoshop, Illustrator, and Final Cut Pro

### **Computer Courage, Berkeley, CA, Media Tech Intern, July – August 2011**

- Greeted customers, provided advice, and did virus removal and computer repair for Mac's and PC's
- Managed the process of salvaging computer parts and recycling the remains for over 25 computers

### **Beth El Temple Center, Belmont, MA, Hebrew School Teacher, September 2011- June 2012**

- Developed lesson plans in line with the curriculum, assisted with all special events related to the Sunday School
- Supervised and guided children in completing assigned lessons and projects

### **Marketing and Communications Tisch Library, Medford, MA, Student Office Assistant, September 2010 - May 2011**

- Edited, designed, and produced in-house marketing media using Adobe Photoshop and Indesign

## ACTIVITIES

---

### **Tufts Against Genocide (TAG), Tufts University, Chair, August 2011 – present**

- Organized and led weekly meetings among club members and developed an internal education curriculum
- Coordinated logistics for campus-wide events that drew over 200 attendees, including: finding and inviting speakers, coordinating travel, and orchestrating the marketing and publicizing across campus

### **Legacy Study Tour; Taube Foundation for Jewish Life and Culture, Germany, Poland, Israel, College Fellow, July 2012**

- Led and educated high school participants on tour throughout Eastern Europe and Israel. Developed various educational components throughout program and provided support for students

## SKILLS

---

Languages: Hebrew (speaks fluently, read/writes proficiently)

Programming: C++, Java, Javascript, HTML5/CSS, JQuery, and exposure to OpenGL and C#

Creative Software: Adobe Suite, Final Cut Pro, Autodesk Maya 3D, Unity3D game engine