

# ELIZABETH AUSTAD

31 Mead Drive • AC# 1349 • Amherst, MA 01002 • 413-459-5710  
eaustad16@amherst.edu • lizzyaustad.me

## EDUCATION

<b>AMHERST COLLEGE</b> Amherst, MA	Anticipated May 2016
BACHELOR OF ARTS in Computer Science and Psychology	
▪ <b>QUEEN MARY UNIVERSITY OF LONDON</b> London, England	Fall 2014
▪ <b>BEIJING LANGUAGE AND CULTURE UNIVERSITY</b> Beijing, China	Spring 2015
<b>FREECODECAMP</b> Front End Developer certificate	January 2016

## PROJECTS

<b>CLOSEST PAIR ALGORITHM</b> Java	Fall 2015
▪ Given a random set of points in a 2D plane, this program will find the closest pair of points in $O(n \log n)$ time	
▪ Coded for my Data Structures & Algorithms II class	
<b>PICTIONARY WEB APP</b> HTML5, CSS, JavaScript	Fall 2015
▪ This web app produces a random word to be used for a Pictionary game, runs a timer, and keeps score	
▪ Coded independently	
<b>3D ANIMATION</b> Java	Fall 2014
▪ Given point sets for a 3D cube and pyramid, this program will produce 3D parallel and perspective animations	
▪ Coded for my Computer Graphics class at Queen Mary University of London	

## EXPERIENCE

<b>AMHERST COLLEGE COMPUTER SCIENCE DEPARTMENT</b> Amherst, MA	Fall 2015
TEACHING ASSISTANT	
▪ Assist Introduction to Computer Science II students with weekly Java programming assignments	
▪ Clarify instruction for object-oriented design, inheritance, GUIs, and other technical questions	
<b>MAKERSPACE @ AMHERST MEDIA</b> Amherst, MA	Fall 2015
INTERN	
▪ Provide instruction to middle school students about Arduino code and Lilypads	
▪ Encourage interest in technology and computer science	
<b>ID TECH CAMPS - ALEXA CAFÉ</b> Seattle, WA	Summer 2015
LEAD INSTRUCTOR	
▪ Instructed girls ages 11 to 16 in electrical engineering skills with Lilypad Arduino	
▪ Explained foundations of programming through mobile and web games with Stencyl, Scratch and JavaScript	
<b>ID TECH CAMP</b> Portland, OR	Summer 2014
INSTRUCTOR	
▪ Taught introductory Java programming skills to kids ages 7 to 12	
▪ Led students to create games and animations in Scratch and Java	

## SKILLS

▪ Spanish (conversational) and Mandarin (professional)	▪ Bootstrap, d3, Git, jQuery, Python, Ruby (proficient)
▪ Java, HTML5, CSS, JavaScript (expert)	▪ Git, Command Line, MongoDB, Node.js

## EXTRACURRICULAR ACTIVITIES

<b>AMHERST COLLEGE COMPUTER SCIENCE CLUB</b> Member	Fall 2014 – Present
▪ Participate in weekly lunches with the Women in Computer Science group	
▪ Volunteer at local elementary school's Lego Robotics Club once a week	
<b>HABITAT FOR HUMANITY</b> Club President	Fall 2013 – Present
▪ Coordinate Team Builds between Pioneer Valley Habitat and members of the Five-College community	
▪ Organize fundraising and community-building events	