

ELIZABETH AUSTAD

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EDUCATION

AMHERST COLLEGE Amherst, MA Anticipated May 2016
BACHELOR OF ARTS in Psychology and Computer Science

- **QUEEN MARY UNIVERSITY OF LONDON** London, England Fall 2014
- **BEIJING LANGUAGE AND CULTURE UNIVERSITY** Beijing, China Spring 2015

PROJECTS

CLOSEST PAIR ALGORITHM 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

PICTIONARY WEB APP 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

3D ANIMATION 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

AMHERST COLLEGE COMPUTER SCIENCE DEPARTMENT 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

MAKERSPACE @ AMHERST MEDIA Amherst, MA Fall 2015
INTERN

- Provide instruction to middle school students about Arduino code and Lilypads
- Encourage interest in technology and computer science

iD TECH CAMPS - ALEXA CAFÉ 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

iD TECH CAMP 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

EXTRACURRICULAR ACTIVITIES

AMHERST COLLEGE COMPUTER SCIENCE CLUB 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

HABITAT FOR HUMANITY 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

SKILLS AND INTERESTS

- Spanish and Mandarin Chinese (conversational)
- Java, HTML5, CSS, JavaScript (expert)
- Office, Photoshop, Dreamweaver (expert)
- d3, jQuery, Python, PHP (proficient)