

# Kendall Lewis

## EDUCATION

### UNIVERSITY OF CALIFORNIA, SANTA CRUZ

#### MS IN COMPUTER ENGINEERING

Sept 2013 - Dec 2015 | Santa Cruz, CA

GPA: 3.52 / 4.00

Thesis Project: "Irony Classification of Online Dialogue"

### HUMBOLDT STATE UNIVERSITY BS IN COMPUTER SCIENCE

Aug 2008 - May 2013 | Arcata, CA

GPA: 3.31 / 4.00

Awards: Outstanding Student of the Year in CS, 2013

## RELEVANT COURSEWORK

### GRADUATE

Algorithms • Mechatronics

Computer Architecture

Models of Robot Manipulation

Human-Computer Interaction

Natural Language Processing

Machine Learning

Programming Languages

### UNDERGRADUATE

Operating Systems

Database Design + Implementation

Software Engineering

Calculus • Physics

## SKILLS

### PROGRAMMING

Expert:

Python • HTML/CSS • JavaScript • jQuery

Bootstrap •  $\LaTeX$

Proficient:

C/C++ • Java • PHP • SQL • Assembly

Processing • Unix Shell

Familiar:

Matlab

### OTHER

Weka • SolidWorks • Arduino

Microsoft Office Suite

## CO-CURRICULARS

- ACM Member
- Women Who Code Reno/Tahoe Member
- Participated annually in the Spring Dance Concert at Humboldt State University, 2009 – 2013
- Volunteered to mentor and judge at a Major League Hacking Local Hack Day
- Enjoy dancing, sewing, coloring books, and being outdoors

## LINKS

LinkedIn: // [kendalllewis](#)

Website: [kendall-lewis.github.io](#)

## EXPERIENCE

### GIRLS WHO CODE | SITE LEAD

June – Sept 2016

- Provided support and guidance for teaching staff at various program locations with: curriculum, teaching staff development, classroom management, and partner relations

### GIRLS WHO CODE | SUMMER IMMERSION PROGRAM INSTRUCTOR

July – Aug 2016 | Hosted at Facebook | Menlo Park, CA

June – Aug 2015 | Hosted at Intuit, Inc. | Mountain View, CA

June – Aug 2014 | Hosted at Adobe Systems Inc. | San Jose, CA

- Lead instructor for 20 high school girls in an intensive, 7-week program
- Delivered robust and intensive computer science coursework
- Effectively maintained an exciting, engaging, collaborative, and accessible classroom environment for a highly diverse group of young participants
- Topics taught: object-oriented programming, web programming, data structures, and algorithms, utilizing Python, Arduino/C++, JavaScript, HTML/CSS, jQuery, Bootstrap

### UC SANTA CRUZ | TEACHING ASSISTANT

Jan 2014 – Dec 2015 | Santa Cruz, CA

- Led multiple weekly lab sections, graded assignments and exams, held additional review sessions/office hours, and updated assignments and exams
- Consistently received positive reviews from student evaluations
- Courses taught:
  - Computer Systems & Assembly Language – Winter 2014, Spring 2014, Fall 2015
  - Personal Computing Concepts – Fall 2014
  - Intro to Natural Language Processing – Spring 2015

### HUMBOLDT STATE UNIVERSITY | INSTRUCTIONAL ASSISTANT

Aug 2011 – May 2013 | Arcata, CA

- Led supplementary tutoring sessions and graded weekly homework assignments
- Only student asked to return to fill position
- Courses taught: CS foundation courses, Discrete Mathematics

### DEPAUW UNIVERSITY | RESEARCH EXPERIENCE FOR UNDERGRADUATES (REU): "CONCURRENT AUTONOMOUS VEHICLE NAVIGATION"

June – Aug 2012 | Greencastle, IN

- Presentation of results: 22nd Annual Argonne Symposium for Undergraduates in Science, Engineering & Mathematics

## MAJOR PROJECTS

### IRONY CLASSIFICATION OF ONLINE DIALOGUE | MS THESIS PROJECT

Dec 2015 | UC Santa Cruz | Santa Cruz, CA

Extended previous works on irony/sarcasm by analyzing the effects of using different feature combinations and classifiers on the irony detection and classification tasks. Wrote scripts in Python to perform data processing/cleaning and feature extraction. Utilized built-in classifiers in the Weka toolkit to perform experiments.

### IMAGINE! EDUCATION APPS | HCI COURSE PROJECT

March 2015 | UC Santa Cruz | Santa Cruz, CA

Personally developed three web applications to be used by **Imagine!**. Two apps are used to educate people with cognitive and developmental disabilities; the third is a game for people with visual impairments. Apps built using HTML, CSS, JavaScript, jQuery, and utilized a SQL database accessed using PHP. Contributed to requirements gathering, prototyping, and user testing.

### SLUGS vs. BUGS | MECHATRONICS COURSE PROJECT

Dec 2013 | UC Santa Cruz | Santa Cruz, CA

Designed the structure of an autonomous robot utilizing SolidWorks and wrote, in C, the event-driven program responsible for the robots' behavior such that it could effectively complete a series of required tasks.

### CONCURRENT AUTONOMOUS VEHICLE NAVIGATION | REU PROJECT

June - Aug 2012 | DePauw University | Greencastle, IN

Project had both a software approach and a hardware approach. I personally built an autonomous vehicle capable of detecting, avoiding, and transmitting information about obstacles in its path utilizing infrared sensors, a microcontroller, and wireless communication.