

# CINDY HOANG

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## EDUCATION

University of California, Merced

August 2015 – December 2018 (Expected)

- Major: Computer Science and Engineering, B.S.

## PROJECTS

Stanford University – TreeHacks

February 2016

*Micro Expressions and Emotions*

- Collaborated with lecturer and team from Stanford's design program in the Mechanical Engineering department to improve ability to interpret micro expressions in C++ program using OpenCV
- Detailed lines and features in images of faces through applying Gaussian blur, pixel inversions, RBV thresholds, and Sobel derivatives

## EXPERIENCE

University of California, Merced – Police Department

October 2015 – Present

*Community Service Officer – Web Assistant and Developer*

- Implemented JavaScript, HTML, CSS within Drupal to manage multiple department websites
- Redesigned formatting of layouts and created graphics to enhance user interface

I Am That Girl

October 2014 – January 2015

*Web Development and Design Intern*

- Designed new features and content to improve user experience on website and email newsletter
- Solved visual and technical issues throughout site by interlacing JavaScript, HTML, CSS, and Liquid

University of California, Davis – Genome Center

September 2013 – August 2014

*Programming Intern – Dmitry Grapov*

- Developed data visualizing web applications combining R, JavaScript, and HTML
- Programmed interactive options with dynamic graphs, motion charts, and histograms
- Integrated JavaScript timers to demonstrate data rendering and download functions flexible to user specifications

University of California, Davis

June 2013 – August 2013

*Girls Who Code – Intel*

- Learned how to program in Scratch, Python, JavaScript (jQuery, jQuery Mobile), HTML, CSS, and Arduino C
- Created projects, games, websites, and animations through rigorous curriculum and teamwork

## AFFILIATIONS

*Association for Computing Machinery*

September 2015 – Present

- Actively participated in Student Chapter with coding events and competitions

*Technology and Social Media Communicator – Soul Purpose Dance Company*

May 2014 – May 2015

- Developed the website, organized information and communication through social media

*Webmaster – Key Club*

May 2014 – May 2015

- Administrated and designed the website, worked with other officers to serve the club and community

*President and Club Ambassador – Coding Club & Girls Who Code*

August 2013 – May 2015

- Created and taught curriculum to students (Scratch & JavaScript), brought in professionals to further instruct

*Innovative Design and Engineering Academy & Robotics*

August 2011 – May 2015

- Practiced fundamentals of drafting and engineering, experienced hands-on building with various technologies

## SKILLS

**Languages:** Java, JavaScript, Python, HTML, CSS, R, Arduino C, C++

**Software:** Photoshop, Illustrator, Dreamweaver, Visual Basic, Sony Vegas Studio, AutoCAD, SolidWorks, LabVIEW

## AWARDS AND HONORS

- *Northern California Affiliate Award*, Regional Award for Aspirations in Computing, National Center for Women & Information Technology (2014)