

# Henry CHANG

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in: [henryjchang](#) : [jiwonchang](#) : [Personal Website](#)

## EDUCATION

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DEC 2017 Bachelor of Arts in APPLIED MATHEMATICS, UC Berkeley

JULY 2015 Curriculum in STATISTICAL SCIENCE, UC Santa Barbara

Member, UCSB LETTERS & SCIENCE HONORS PROGRAM

DEAN'S HONORS (FALL 2013 & SPRING 2014)

## SKILLS & APTITUDE

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Technical: Python: 9, Javascript: 8, HTML: 8, CSS: 8, Java: 6  
Communication: Bilingual English & Korean.

## COURSES & PROJECTS

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OCT-NOV 2018 PERSONAL WEBSITE

Created RESTful routes following standard convention. Used Bootstrap to organize and design the webpage layout. Connected to mLab for database storage (for creating/editing/deleting blog & portfolio entries). Implemented parallax scrolling effect for background images and modal image display for Portfolio image gallery.

MAY-JUN 2018 INFINITUM - SHOOT 'EM UP GAME

*Computer Science 61B - Data Structures*

Made with Pygame in Python. Created enemies, enemy-pathing, tile-based map design, missile types, bonuses. Implemented dialogue, basic story, stages, Galaga-like enemy, waves, homing missiles, currency, and shopping. Finished the project as a Minimum Viable Product

JUN-AUG 2016 THE ENIGMA MACHINE

*Computer Science 61B - Data Structures*

Created the Enigma machine from WWII with Java using OOP. Designed a diagram of Enigma's inner workings from the machine's description. Implemented code based on the diagram, and created a machine for decrypting and encrypting messages.

AUG-DEC 2016 HORSE RACE

*Computer Science 170 - Efficient Algorithms and Intractable Problems*

Utilized a combination of dynamic programming, greedy, and DFS algorithms to create the best horse teams, which competed with those of the whole class.

## WORK & EXTRACURRICULAR EXPERIENCE

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SEPT 2018 Data Entry at LAN DO & ASSOCIATES, LLC

- NOV 2018 Entered client information and data into the company database. Organized files and data to facilitate future access. Contacted clients and interpreters so as to check for appointment availability and verify information. Invoiced employee payments.

SEPT 2013 Club Leader & Organizer at ENJOYERS OF CHRIST CLUB

- JUN 2015 Coordinated with club staff and other club leaders to host meetings and conferences. Delivered motivational speeches during gatherings of campus-wide gatherings of all Christian clubs.

## HONORS & AWARDS

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MAR 2013	UCSB Letters & Science Honors Program
- JUN 2015	Awarded for “outstanding academic record”. Required maintenance of 3.6 GPA minimum.
JUN 2015	DEPARTMENTAL ASIAN-AMERICAN LITERATURE COURSEWORK AWARD
	Awarded for “single most exemplary piece of writing” among over 400 candidates.
MAY 2013	GUNN FOUNDATION SCHOLARSHIP
	Awarded \$3,000 in recognition of exceptional academic performance. The scholarship is given to first-generation students who have overcome significant personal and financial challenges.