

Haniel Chang

UCSB Alumni

I am a highly driven person that is patient, sincere, and hardworking. I have a degree in Physics with an emphasis in the Electrical Engineering field. My strength lies in having a strong analytical and mathematical background, combined with a detail oriented mindset and a reliable foundation for Computer Science and Electronics. I look forward to using that in expressing my creativity for problem-solving and working in the sciences.

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📞 805-708-0383

📍 Goleta, California, 93117

TECHNICAL SKILLS

Coding Languages

Java, Python, MATLAB, and Android Studio

FPGA Programming

Digital logic circuitry and software implementation

Analog Electronics

Circuit design, signal analysis, and troubleshooting

PERSONAL PROJECTS

Android Mobile App Project - SBCC

- Coded a prototype app that requested a YouTube playlist and displayed it via the app interface for an Android phone. Project involved the use of the following concepts: Widgets, Volley and YouTube Player libraries, Application Programming Interface, and Object Oriented Programming.

Stepper Motor Project - UCSB

- Used Python to code the instructions for activating Stepper Motor Device. Project included Electrical Engineering handwork using: DC Power Supply, Capacitors, DMM, and wiring connections to Raspberry Pi.

WORK EXPERIENCE

Crew Member

Trader Joe's

07/2016 - 01/2019

Goleta

LANGUAGES

College Level
German
intermediate



College level
Chinese basic



ACHIEVEMENTS

Certificate of Excellence for Outstanding Academic Performance in Chinese - SBCC, School of Modern Languages (05/2014)

EDUCATION

University of California, Santa Barbara (UCSB)

09/2018 - 09/2020

Santa Barbara

Degrees

- B.S. in Physics

Santa Barbara City College (SBCC)

09/2012 - 05/2018

Degrees

- A.S. in Engineering with Emphasis in Computer Science
- A.A. in Liberal Arts and Sciences with Emphasis in Science and Mathematics
- A.A. in Mathematics
- A.S. in Physics

VOLUNTER EXPERIENCE

Course Instructor

Everybody Dance Now

06/2011 - 07/2016

Santa Barbara

Non-profit organization dedicated to teaching dance to disadvantaged youth

Tasks

- Taught weekly classes and did showcase performances
- Event Organizer
- Workshop host

Contact: Bethany Sutherland (Manager) - (805) 252-7169

SOFT SKILLS

Analytical

Teamwork-oriented

Open Minded

Good Communicator

Hard Work Ethic

Sociable

INTERESTS

Outer Space Exploration

Technology

Video games

Salsa and Hip Hop dancing

Science fiction books

Traveling

Boxing