

Ray Hung

COMPUTER SCIENCE SOPHOMORE

✉ howard88tw@gmail.com | 📧 Howard88tw | 🌐 ray-hung-8ba3ba162

Education

De Anza College

Cupertino, California

COMPUTER SCIENCE (SOPHOMORE) - GPA 4.00/4.00

Jan 2019 - Jun 2020

Courses: Java programming, C++ Programming, Data Structures, Assembly Language, Network Security, Linear Algebra, Differential Equations

National Taiwan University

Taipei, Taiwan

CHEMICAL ENGINEERING (FRESHMAN) - GPA 4.26/4.30 (TOP 1%)

Sep 2017 - Sep 2018

Courses: Calculus, General Physics & Lab, General Chemistry & Lab, Mass & Energy Balance, Engineering Graphics

Work Experience

Eyelevel.ai

San Francisco, California

DATA ENGINEER INTERN

Jul 2019 - Sep 2019

- Used Python, Node.js, Postgres SQL to build a chatbot conversation analyzer that can fetch conversation data from Facebook Graph API to analyze conversations and provide statistical results.
- Evaluated statistical results to obtain valuable insights to drop-offs, inconsistency, and dead ends in conversations between chatbots and users.

YektaSonics Inc

Los Gatos, California

SOFTWARE ENGINEER INTERN

Aug 2019 - Sep 2019

- Optimized C++/Python/Arduino beam-former calibration software and oscilloscope communication, making it 10x faster.
- Integrated small functional software components into a high level human machine interface software.
- Wrote shell scripts to automate beam-former software testing.

Extracurricular/Volunteer Experience

Silicon Valley Career Women

Sunnyvale, California

PRODUCT ENGINEER

Oct 2019 - Present

- Used Final Cut Pro to edit videos for Women Leadership Enhancement video program.
- Developed and enhanced video and audio products.

De Anza Computer Science Department

Cupertino, California

TEACHING ASSISTANT

Apr 2019 - Jun 2020

- In-class TA for Intermediate and Beginning Programming Methodologies in C++.
- Took notes during classes and gathered extra learning resources for students.
- Resolved problems encountered by students in class or homework.
- Designed surveys and collected feedback, identified opportunities for improvement and executed effective strategies to address deficiencies.

De Anza Flea Market

Cupertino, California

DE ANZA FLEA MARKET ASSISTANT

May 2019 - Jun 2020

- Provided gate-keeping support, verified event tickets and vendor information, responded to inquiries about space location, and assisted in the flea market operation.

National Aeronautics and Space Administration (NASA)

Remote/Online

STUDENT PRINCIPAL INVESTIGATOR - NASA PROPOSAL WRITING & EVALUATION EXPERIENCE ACADEMY

Sep 2019 - Nov 2019

- Led a team of 7 college STEM students to design and write a 7-page proposal about an Advanced Virtual Reality Exercising System that helps astronauts achieve 100%+ prescribed exercise completion rate.
- Our proposal was the top 4 rated proposals among around 15 proposals.
- Learned the best practice of writing professional proposals and proposal evaluation procedures from NASA.

Competitive Programming Club @ De Anza College

Cupertino, California

CO-PRESIDENT

May 2019 - Nov 2019

- Won the 14th place out of 86 teams in 2019 ACM International Collegiate Programming Contest (ICPC) Pacific Northwest Division 2.
- Hosted weekly training sessions to help members hone their algorithm, data structure, and problem-solving skills.

National Aeronautics and Space Administration (NASA)

Remote/Online

NASA LUCY STUDENT PIPELINE ACCELERATOR AND COMPETENCY ENABLER VIRTUAL ACADEMY

May 2019 - Aug 2019

- Remotely cooperated with STEM students to design a mission concept of characterizing a hydrocarbon sea (mare) on Saturn's moon - Titan and write a 35-page Preliminary Design Review (PDR).
- Used JMARS (a Planetary GIS Software) to find the best landing site for our probe.
- Learned mission procedures and protocols from NASA engineers and scientists.

Global Initiatives Symposium (GIS) in Taiwan at National Taiwan University (NTU)

Taipei, Taiwan

STUDENT DELEGATE

Jul 2018

- Collaborated with team members to propose an AI system that mitigated the overcrowding in emergency rooms by optimizing triage and providing medical referrals suggestion.
- Listened to inspiring speeches given by professionals and industry experts from around the world about AI, the platform economy, personalized learning, and micro power.

Taiwan Semiconductor Manufacturing Company (TSMC)

Hsinchu, Taiwan

TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY ELITE CAMP

Jul 2018

- Learned the cutting edge development and application of semiconductors and visited the TSMC Museum of Innovation.
- Interacted with employees at TSMC and professors working with TSMC.

Association of Taiwan University Alumni in MACAU

Shanghai, China

STUDENT LEADER DELEGATION OF ATUAM

Jul 2018

- Proposed holding social activities in universities to stimulate social atmosphere for students to build new connections for an entrepreneurship competition.
- Visited a cultural and creative park, the T-MAKERS incubator, and Shanghai Jiao Tong University.

Biology Club, Taipei Municipal Jianguo High School

Taipei, Taiwan

PRESIDENT

May 2015 - May 2016

- Organized and ran a six-day biology summer camp which consisted of lectures, visits, and activities. Our summer camp had around 120 junior high school students and was nominated for high school creative proposal competition held by the Tang Prize, receiving a subsidy of US\$3300.
- Managed more than 100 club members. More than 50 biology classes were offered by my club every semester.

Volunteer Experience

Soka Gakkai International - USA

Santa Clara, California

GAJOKAI (RECEPTIONIST)

Mar 2019 - Present

- Warmly welcomed and served every guest and member who enter the Buddhist Center.
- Informed visitors by answering or referring inquiries.
- Maintained security by following procedures, monitoring the center, and logging visitor information.

Tri-Service General Hospital Songshan Branch

Taipei, Taiwan

EMERGENCY ROOM VOLUNTEER ORDERLY

Jul 2017 - Sep 2018

- Delivered blood, medical specimens to medical laboratory.
- Guided patients to X-Ray rooms, CT scan rooms and wards.
- Collected medicine on patients' behalf at the pharmacy.
- Provided any assistance to emergency room staff when necessary.

Awards & Honors

U.S. National Top 30 - 2019 American Mathematical Association of Two-Year Colleges (AMATYC) Math Competition

Dean's List - For all quarters at De Anza College

Presidential Award (Top 5% in class) - For both semesters at National Taiwan University

Skills

Programming Languages & Frameworks: Java, Python, C++, x86 Assembly (MASM)

OS & Tools: Mac OS, Windows, git, IntelliJ IDEA, Visual Studio Code, Visual Studio, Final Cut Pro

Languages: Fluent in English and Mandarin, conversational in Taiwanese