

# Ray Hung

COMPUTER SCIENCE SOPHOMORE

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## Education

### De Anza College

Cupertino, California

COMPUTER SCIENCE (SOPHOMORE) - GPA 4.00/4.00

Jan 2019 - Jun 2020

**Courses:** C++/Java programming, SQL, 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 - Jun 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 into 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 INTERN

Oct 2019 - Feb 2020

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

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

NASA LUCY STUDENT PIPELINE ACCELERATOR AND COMPETENCY ENABLER (L'SPACE) MISSION CONCEPT ACADEMY

May 2019 - Aug 2019

- Remotely cooperated with STEM major students to design a mission concept of characterizing a hydrocarbon sea (mare) on Titan, the largest moon of Saturn, 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.

### Competitive Programming Club @ De Anza College

Cupertino, California

CO-PRESIDENT

May 2019 - Jan 2020

- 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.

## 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:** C++, Java, Python, Node.js, SQL, x86 Assembly (MASM)

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