Ray Hung

COMPUTER SCIENCE SOPHOMORE

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Education

De Anza College *Cupertino, California*

COMPUTER SCIENCE (SOPHOMORE) | GPA 4.00/4.00 (DEAN'S LIST) *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%, PRESIDENTIAL AWARD) *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 conversational 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++ beam-former calibration software and oscilloscope communication, making it 10x faster.
- Integrated small functional software components into a high level human machine interface software.
- Use shell script to automate beam-former software testing.

Extracurricular/Voexlunteer 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.

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 across the U.S. to design and write a 7-page proposal about an Advanced Virtual Reality Exercising System. Our proposal the top 4 rated proposals among around 20 proposals.
- Learned the best practice of writing professional proposals and proposal evaluation procedures from NASA.

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 locate the landing site of our mission.
- Learned mission procedures and protocols from NASA engineers and scientists.

Awards & Honors

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

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 Taiwanese