Ray Hung

COMPUTER SCIENCE JUNIOR

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Education

Georgia Institute of Technology   *Atlanta, Georgia*

COMPUTER SCIENCE (JUNIOR) - GPA 4.00/4.00   *Aug 2020 - May 2022*

Courses: Design & Analysis of Algorithms, Systems and Networks, Data Struct & Algorithms, Statistics & Applications

De Anza College   *Cupertino, California*

COMPUTER SCIENCE (SOPHOMORE) - GPA 4.00/4.00 (DEAN'S LIST)   *Jan 2019 - Jun 2020*

Courses: C++/Java programming, SQL, Data Structures, 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

Professional Experience

EyeLevel.ai   *Remote/California*

DATA ENGINEER INTERN   *Jul 2019 - Sep 2019*

- Used Python, Node.js, Postgres SQL to build a chatbot conversation analyzer that fetches conversation data from Facebook Graph API to analyze conversations and provides 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 Experience

National Aeronautics and Space Administration (NASA)   *Remote/California*

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: Python, C++, Java, AWS, FireBase, node.js, typescript, SQL, React, HTML

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