**ELLY YALE**

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**EDUCATION**

**Yale University**, New Haven, CT, Expected: May 2021

*Bachelor of Science in Chemical Engineering* (ABET-accredited), GPA: 3.4/4.0

Representative Coursework: Chemical Engineering and Process Modeling, Chemical Engineering Thermodynamics, Chemical Kinetics and Chemical Reactors

**National University of Singapore**, *Yale Summer Session in Singapore*, June – July 20XX

Coursework: Southeast Asia in Context (International Studies), Introduction to Southeast Asian History

**ABC High School,** Anytown, CA, *Diploma*, 2018

Awards and Honors: Princeton Book Award, Heifermann Family Scholarship, Academic Decathlon, National Merit Semi- Finalist, Peer Counselor and Mediator, AP Scholar with Distinction

**EXPERIENCE**

**Yale School of Engineering and Applied Science, Nanotube Lab**, *Researcher:* January 2019 – Present

Conducted synthesis and superconductive analysis of copper oxide nanotube and nanorods; *publication on research pending*

**Yale Center for British Art**, *Student Assistant to Director of Research:* September 2020 – Present Maintain and update U.S. and U.K. museum contacts, compile library and archival materials for the Head of Research, facilitate travel and lodging arrangements for visiting lecturers, post-docs, and other guests

**Jet Propulsion Laboratory - National Aeronautics and Space Administration**, Pasadena, CA

*Software Engineering and Knowledge Management Intern:* June – August 2019

Beta-tested NASA networking tools and software to promote inter-center knowledge and data sharing, created reviews and collected commentaries on efficacy of such tools and sites, attended seminars on space engineering research and workshops on development of space missions

**ACTIVITIES AND LEADERSHIP**

**Science and Math Achiever Team,** *Mentor, Day-Coordinator (2019), Treasurer (2020):* 2018 – Present Mentor and introduce middle school students to research and experimentation, integrate program into various New Haven schools, manage organization costs and budget

**Yale Scientific Magazine**, *Feature and News Staff Writer:* September 2018 – Present

Conduct interviews with science and engineering professors, graduate students, and independent researchers. Representative titles: “Pegasus Project Takes Flight”; “History of Sterling Chemistry Laboratory”; “Book Review: Stephen Hawking’s *the Grand Design (2010)*”; “A Gain-Frame Approach to Smoking Cessation”

**Q Magazine**, *Business Associate:* September 2019 – Present

Build publication name via advertisements and marketing, solicit local and national businesses; prepare and edit grant applications, collaborate with businesses on advertisement design and placement

**Ivy Council**, *Student Delegate*: September 2020 – Present

Formulate and integrate volunteering and service projects throughout the Ivy League, expand inter-Ivy programs and workshops

**SKILLS**

**Languages:** Advanced Spanish, fluent in Bahasa Indonesia (native speaker)

**Computer Software**: FORTRAN, C++, Mathematica, MATLAB, POLYMATH, XCode, MacOSX, Microsoft Office Suite, Photoshop, CAD

**Laboratory:** Proton NMR, mass spectrometry, infrared spectroscopy, gas chromatography, SEM, TEM