

KEYING LAO

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EDUCATION

Cornell University, College of Engineering - Ithaca, NY

Expected Graduation: May 2022

- Bachelor of Science degree, Civil Engineering
- GPA: 3.62
- Relevant Courses: Sustainable Transportation Systems Design, Statics & Mechanics of Solids, Structural Modeling & Behaviors, Geotechnical Engineering, Thermodynamics, Intro to Python, Engineer Economics & Management

EXPERIENCE

Stantec - New York, NY

January 2021 - present

Transportation Engineering Spring Co-op

- Utilize Microsoft Excel to analyze traffic data and generate graphs to display transportation trends.
- Learn and apply VISSIM and Synchro knowledge to build transportation models and evaluate traffic volumes.

Project Tactical Solutions, LLC - New York, NY

June 2019 - August 2019

Engineering Intern

- Revised and authored the Quality Manual for annual accreditation assessment renewal.
- Attended 4 inspections with the Inspection Body to understand special inspection services, learning all about requirements and design processes of an inspection from a civil engineering company.

Marks JCH Summer Day Camp - Brooklyn, NY

June 2018 - August 2018

Office Associate

- Oversaw all the filing for the camp office and data entries online using Excel and Microsoft Office Suite.
- Scheduled offsite events and activities for about 200+ campers, connecting with regional companies.

PROJECTS

Engineers for a Sustainable World (ESW) - Ithaca, NY

February 2019 - Present

Team Member

- Currently collaborating on a “Hydroturbine” project in a team of 5 students with the goal to create a turbine that can replace hydropower turbines. The project is essential because some dams cannot be used for hydropower due to flood control or installment expenses.
- Designing and assembling a free-standing turbine to be installed on the Cornell Campus, applying AutoCAD skills.

ACTIVITIES

Society of Women in Engineering (SWE) - Ithaca, NY

August 2018 - Present

Fundraising Committee Member

- Lead fundraising efforts, selling baked goods and SWE stickers, raising over hundreds of dollars per semester.
- Proposed plans for social events that Engineering students participate and engage in, as an Outreach Committee Member, attracting more than 50+ students per event and increasing the organization’s presence on the Campus.
- Presided as a Volunteer Liaison to supervise and host on-campus hiring events for company recruitment in 2018.

Cornell Engineering Advising - Ithaca, NY

August 2020 - December 2020

Peer Advisor

- Guided and ensured incoming freshmen have a smooth transition from high school to college.
- Held weekly meetings and presentations on ethics, career center, and college life hacks for freshmen students.

Project Hope - Ithaca, NY

March 2019 - May 2020

Executive Board - Publicity Chair

- Managed Social Media Pages and launched weekly newsletters using Mail Chimp to about 1k+ Members and Faculty.
- Raised about \$3K in funds and drew awareness in the campus community on improving education in rural China.
- Served as Internal Affairs Chair in the Spring of 2019, organized fundraising and social events on-campus with the mission to prevent underprivileged children from dropping out of school (China Youth Development Foundation).

SKILLS

- Computer: AutoCAD/Autodesk Inventor, Python, SketchUp, Adobe (Photoshop, Illustrator), Microsoft Office Suite (Excel, Word, PowerPoint), Mail Chimp, Synchro, VISSIM
- Language: Chinese (Mandarin & Cantonese)