

Vy Vu

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EDUCATION

California Polytechnic State University, San Luis Obispo
Bachelor of Science in **Civil Engineering**
Cal Poly GPA: **3.35**

Expected Graduation: June 2022
Concentration: Construction Engineering
Dean's List: 4 quarters

Courses: Construction Management & Project Planning, Advanced Building Information Modeling, Project Management, Sustainability and the Built Environment, Construction Means and Method, Transportation Engineering, Surveying, Reinforced Concrete Design, Structural Engineering.

WORK EXPERIENCE

Operations Intern, Charge EPC

Jun-Aug 2021

- Developed the company's first catalog for gas details through the use of AutoCAD's Tool Palette.
- Performed data collection, data entry, analysis, and reporting of the company's utilities usage using HCSS.
- Coordinated meetings and collaborated in a cross-functional team environment to draft the company's first baseline analysis report on its carbon footprint.
- Attended 4 site walks, 2 pre-construction, and weekly project controls meetings.
- Reviewed construction plans, examined project bid documents, conducted interviews with responsible personnel to present a lesson-learned report of the company's Rule 20A project.
- Provided feedback aimed at improving the operational success of the Rule 20A project—safety, cost control, and procurement management—to the founders, CFO, and project managers of the company.

TECHNICAL PROJECT EXPERIENCE

Advanced Building Information Modeling, Cal Poly

Sep 2021-Present

- Modeled the foundation, floors, columns, shafts, and beams for a 7-story hospital project in Revit 2020.
- Created simulation, performed quantity take-offs using Microsoft Project, Navisworks, and Assemble.

Engineering X Co-Captain, Pacific Southwest Conference (Society of Civil Engineers)

Jan- Mar 2021

- Led six other civil engineering students in the design of a 100-ft long obstacle course by setting up weekly check-in meetings, researched and compiled calculation methods, and assisted in AutoCAD drawings.
- Managed the load calculations for the height obstacle to withstand the 400 lbs. load requirement.

Reinforced Concrete Design, Cal Poly

Jan- Mar 2021

- Collaborated in a team of three to design all slabs, beams, and girders from a given slab/beam/girder floor plan to withstand gravity loads.
- Designed the rebars needed for one-way slab and their detailing according to the ACI code.

Construction Management & Project Planning, Cal Poly

Jan- Mar 2021

- Utilized Bluebeam to organize construction plans, performed markups and submit RFIs.
- Utilized Primavera to develop CPM schedule.
- Obtained student certification in Procore and used its fundamental functions for submitting RFIs.

TECHNICAL SKILLS

Computer: AutoCAD 2019, Civil 3D, Revit 2020, Microsoft Office (Excel with Visual Basics and Applications/ Word/PowerPoint), Bluebeam, Primavera P6, Touchplan, Procore, Navisworks, Assemble.

Language: Fluent in Vietnamese and English

LEADERSHIP AND INVOLVEMENT

Corresponding Officer, Society of Civil Engineers

May 2021- Present

- Coordinated and recruited speakers for the General Chapter Meetings with more than 160 members.
- Collaborated with 17 board members to promote personal, professional, and scholastic development.

Resident Advisor, University Housing (20 hours/week)

Sep 2020- Present

- Enhancing organizing skills and creativity to engage outreach programs for more than 200 residents.
- Demonstrating leadership and communication in a high-stressed environment by providing customer service support for residents, students in isolation, and parents.

Orientation Leader, Cal Poly New Student and Transition Programs

Mar- Sep 2020

Social Chair, Thai Vietnamese Student Association

Apr 2019- Apr 2020

Outreach Committee Member, Society of Women Engineers

Sep 2018- Apr 2019