

Alex Leong

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EDUCATION

Moorpark College Moorpark, CA

AS-ENG May '21

- 3.8 GPA; Dean's List '18-20, SCE scholarship
- Relevant Coursework: Physics, Engineering Statics, Dynamics, Materials science, Engineering Circuits fundamentals, Engineering drawing/modeling, public speaking.
- Activities: Engineering Club, AIMS², SHPE

Transfer Fall '21 Cal Poly SLO

Major: Civil Engineering with emphasis in Heavy Civil

WORK EXPERIENCE

Moorpark College Moorpark, CA

Math and Science Center Tutor Fall 2020-present

- Conduct drop in tutoring sessions in Calculus, Physics, Engineering.
- Lead BRIDGE sessions for class. BRIDGE is a two day comprehensive math review for incoming students. Duties include working with the instructor to develop and prepare study guides.
- Communicate effectively with students to assess their abilities and work with them to provide effective strategies for their success.
- Follow up with student questions

CSUN Northridge, CA

Research Assistant Intern September 2020-present

- Analyze strong motion earthquake accelerograms, such as wave propagation speed, and acceleration. to assess the viability and applications of earthquake early warning systems.
- Compile and format data into readable data sheet.
- Create visual time series analysis models of seismic waves using MATLAB.
- Lead project with team members to troubleshoot organize and present our findings to Faculty advisor (including scheduling RA Zoom meetings and summary, present research via PowerPoint presentation.

VARIOUS EXPERIENCE

Pierce College Woodland Hills, CA

French Club Treasurer Spring 2018

Coordinate with club president on goals of fundraising and document club expenses using excel spreadsheets, including accounting for limits in club's budget. Actively involved with planning weekly activities. Participate in club outreach.

Pierce College Woodland Hills, CA

Volunteer Chemistry Lab Tech Fall 2019

Communicate with Chemistry department to setup laboratory equipment. Unpack shipments and record inventory. Disassemble and cleanup lab equipment.

Moorpark College Moorpark, CA

Engineering Club Treasurer Spring 2020

Oversee and manage budget in club's trust fund, such as funding requests for grants and extracurricular fundraising for club. Plan and lead weekly meetings with board members. Design and build quality oversee with fellow club members on one of two VEX tower takeover Robots. Manage weekly project time schedules and specifications including game regulation compliance.

AIMS Participant Spring 2020-present

AIMS is a mentor and peer support group for students in STEM with emphasis in team building, and soft skills. Led winning team for Design and build of prototype popsicle stick bridge using AutoCAD and SolidWorks, and tested using hydraulic press holding 290+lbs.

SKILLS & INTERESTS

Skills: AutoCAD, SolidWorks, MATLAB, Office Suite (EXCEL, PowerPoint, Word), Orthographic Projection drawings.

Activities: SHPE, Engineering Club, French club, AIMS^2

Interests: space projects, working on cars, cooking, outdoor activities, binge-watching shows, home improvement projects.