

Ka Hang (Edmund) Lei

OBJECTIVE:

Full-time employment in mechanical engineering related field.

SKILLS:

- **Mechanical Engineering & Project Management:**
Design HVAC and plumbing systems, perform construction administration.
- **Manufacturing:**
Assembled, QC, calibrated for laser systems.
- **Computer:**
AutoCAD, SolidWorks, Land Development, MATLAB, Pascal, FORTRAN, and MCNP.
- **Languages:**
Read, write, speak Chinese and English at business level.

EDUCATION:

B.S. University of California, Berkeley, CA, December 2000
Major: **Mechanical Engineering and Nuclear Engineering**
G.P.A.: 3.19

Key Courses:

- Mechanical Engineering Design
- Dynamic Systems and Feedback
- Mechanical Vibration
- Nuclear Power Engineering
- Technical Communication
- Marketing

EXPERIENCES:

Mechanical & Plumbing Engineer

Gayner Engineers, San Francisco, CA

Mar. 2002- Present

- Designed mechanical (HVAC and plumbing) systems for institutional and public facilities.
- Field surveyed building mechanical systems. Coordinated and resolved construction issues.
- Participated Projects: Stanford Lucas Center Expansion
U.S. Appraisers Building
Livermore Berkeley National Laboratory Molecular Foundry

Consultant/ CADD Engineer

Computer Design Solutions, San Francisco, CA

Mar. 2001- Feb. 2002

- CADD railroad track, digitized terrain model to perform landfill/grading calculation.
- Participated Projects: Caltrain Capital Improvement Project

Laser Engineer Intern

Lightwave Electronics, Mountain View, CA

Jun. 2000-Aug. 2000

- Built and calibrated laser emitters, performed thermal test and studied product performance.
- CADD and CAM mechanical parts and tools for manufacturing support.

Student Tutor

Monterey Peninsula College, Monterey, CA

Jan. 1997-Jun. 1998

- Tutored students who had problems with mathematics, computer programming and physics.

HONORS/ ACTIVITIES:

- **Music:**
The Associated Board of the Royal Schools of Music Certificate of Grade 8 Violin Exam.
Music awards from Concurso Para Jovens Musicos de Macau.

REFERENCES:

Available upon request.