

# Competent Scientific Investigations

## *Central Valley*

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LOUIS R. PECK

Accident Reconstruction

### EDUCATION

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2000-2005 California State University, Fresno Fresno, California  
*Expected to earn Bachelor's of Science in Mechanical Engineering*  
*Current Overall Grade Point Average: 3.6*

### AWARDS RECEIVED

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2002-2003 Charles Buckley Engineering Scholarship

2003-2005 The Shyming Chang Student Scholarship

2004-2005 Peter and Edna Grilione Mechanical Engineering Scholarship

### WORK EXPERIENCE

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2003-2003 (Six Months) Apollo Dental Products  
*Engineering Intern*

At Apollo Dental Products I was given the full responsibilities of an entry-level engineer. I was involved with many design projects where I was responsible for submitting design propositions, building prototypes, and conducting design reviews related to my proposals. I performed tests on many systems involving air compressors and vacuums. I analyzed the information collected during these tests and made design changes based on the findings. I was also responsible for purchasing and configuring a data acquisition system to simplify Apollo's testing process. While I was at Apollo I worked regularly with SolidWorks, AutoCAD, Data Acquisition software and Excel.

2004-2004 (Six Months) The Vendo Company  
*Engineering Intern*

At The Vendo Company I was responsible for the testing of the company's newest vending machine. I was in charge of ensuring that all of the necessary testing was performed and documented properly. I have worked intimately with SolidWorks, programmable logic controllers and Excel.

### SPECIAL AREAS OF EXPERTISE

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### **Boating and Water Sports**

I have spent every summer on a lake in New Hampshire boating, waterskiing, fishing and swimming. I know a great deal about boats and water sports.

### **Traffic Control**

I completed a brief course conducted by the Fresno police department regarding traffic control. I have also conducted traffic in Fresno several times.

### **Automotive Mechanics**

I have completed two, one year long automotive technology courses, which included both class time and shop time.

### **Motorcycle Training**

I have completed a basic rider course conducted by the Motorcycle Safety Foundation. This class taught everyday riding tactics as well as emergency evasion tactics.

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## **EXTRACURRICULAR ACTIVITIES**

### **Air Force ROTC**

In the Air Force ROTC I maintained a leadership position of Group Fitness Officer, where I was in charge of designing and conducting a fitness program for 100 cadets.

### **Valley Industry Partnership for Cooperative Education**

During the internships I completed with this program I gained a great deal of insight into the practicality of engineering and what role I would like to play in the field.

### **Formula SAE**

I was a member of the 2004 Formula SAE team. I was responsible for designing the crush zone of the race car. This project significantly increased my understanding of energy dissipation in accidents.

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## **PROFESSIONAL MEMBERSHIPS**

### **SAE**

- *The Engineering Society for Advancing Mobility: Land, Sea, Air, and Space.*

### **ASME**

- *The American Society for Mechanical Engineers*

### **Tau Beta Pi**

- *National Engineering Honor Society*