CHRISTOS VOUTSARAS

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Education

University of California, Los Angeles (UCLA) – B.S., Mechanical Engineering, GPA: 3.6/4.0	Expected June 2017

Experience

Teradek - **Internship** , Irvine, California — Summer 2015
- Assembled devices, trouble-shoot LCD screens, soldered components, wrote assembly manuals.
- Tested WiFi video transmission devices for quality assurance through heat tests, drop tests, vibration tests and wifi range tests, according to standard test procedures.
- Analyzed the signal of MIMO antennas using a spectrum analyzer.

Research Assistant, Energy Innovation Laboratory, UCLA — February 2014-Present
- Developed solid models and animations of wind turbines using SolidWorks, to be used in presentations by the PI.
- Plotted and analyzed the mass properties of composite wind turbine blades using Python.

Motor Oil Hellas – Internship, Greece — Summer 2014
- Analyzed petrochemical and automotive industry reports, for energy trends and technological innovations in the mobility sector until 2050.
- The results were included in the presentation that was made to the president of the company.

Projects

MAE 94 Project – Rubber Band Powered Car, UCLA — Fall 2014
Designed a miniature rubber-band powered car, using the novel concept of fan propulsion to eliminate wheel spin. Analyzed loads using FEA in SolidWorks. Manufactured and assembled the vehicle from 3-D printed components.

Thales Arduino Challenge, UCLA — November 2014
In two weeks, designed and prototyped a parking lot ticket dispenser that extends towards an approaching vehicle. Programmed it using an Arduino microcontroller, C++, and various sensors.

Physics 1C Extra Credit Project – Virtual Reality Headset, UCLA — Fall 2014
Designed an improved Google Cardboard virtual reality headset to have enhanced air circulation to prevent overheating, use a modular lens system, and work with a wider range of phone sizes. 3-D printed a prototype.

Leadership

President of the **Athens College Student Government**. — 2012-2013
Raised $90,000 revenue (20% profit) in the student's annual festival, and $6,000 revenue (15% profit) during our Christmas dance event.

International Environmental camp with Lifeworks, Ecuador. — Summer 2012
Planted native plant species in Galapagos Islands, built a watering system for a community in the Amazon, and constructed a compost toilet for a local school in the Andes.

Skills and Interests

Languages: Python, C++, Matlab, Fluent in **Greek** and **English**. Basic knowledge of **German**.

Member of the **UCLA Club Soccer team**. — 2014

Scuba diving - PADI certifications: open water diver, deep diver, night diver, underwater naturalist, and shipwreck diver.