

Clayton Salinger Ketner

Mechanical Engineering & Computer Science

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INTRODUCTION

Fifth year (of five) undergraduate Mechanical Engineering & Computer Science student with strong practical experience, close attention to detail, and an interest in design and fabrication. Effective team leader able to quickly adapt to changing environments and technologies.

EDUCATION

Fall 2011 - Spring 2014	University of Southern California (Graduate May, 2014) GPA [major]: 3.32, [cumulative]: 3.24 Major: Mechanical Engineering Minor: Computer Science	SENIOR PROJECT, LINEAR CONTROLS, DYNAMIC SYSTEMS, ENG ALGORITHMS, MECHOPTRONICS, HEAT TRANSFER, FLUID DYNAMICS, CAD (+FEA) OBJECT-ORIENTED PROGRAMMING, CONCURRENCY, AGENTS, ROBOTICS
Fall 2009 - Spring 2011	University of Massachusetts, Amherst Major: Mechanical Engineering Minor: Computer Science	STATICS, DYNAMICS, STRENGTH OF MATERIALS, MATERIAL SCIENCE, THERMODYNAMICS DATA STRUCTURES, AI (PROBABILITY)

WORK

Summer 2013 4 Months	San Bruno Pet Hospital - System Administrator (40 hr/wk) <ul style="list-style-type: none">Independently maintained and installed computer systems.Communicated with employees and external tech support to report and resolve technical issues.Received praise for improving reliability of hardware and software.
June 2011 - August 2011	OSIsoft - vCampus Intern (40 hr/wk) <ul style="list-style-type: none">Independently researched & integrated OSIsoft PI System with SAS analytics.Concluded findings in a White Paper posted to OSIsoft's vCampus website.Received praise from an outside company for quality of the White Paper.

EXPERIENCE

Summer 2012	Robotic Arm – Designed, manufactured, wired, and coded independently and from scratch. CAD CNC DESIGN FABRICATION CODE MATLAB ROBOTICS more info on my website
Fall 2012	Senior Project – Remote Inspection Vehicle – Remote control robot for ASME competition. Designed and built the controller. Coded and wired the controller and robot. CAD DESIGN TEAM WORK CODE WIRELESS ROBOTICS more info on my website

SKILLS

Engineering	SOLIDWORKS ★★★★★ LABVIEW ★★★★★ TECHNICAL REPORTS ★★★★★	SOLID EDGE ★★★★★ MATLAB ★★★★★	PRO-E ★★★★★ SIMULINK ★★★★★
Software Engineering	JAVA & JUNIT ★★★★★ C# ★★★★★	CONCURRENCY ★★★★★ PYTHON ★★★★★	AGENTS ★★★★★ LATEX ★★★★★
Miscellaneous	MS WORD ★★★★★ ADOBE ILLUSTRATOR ★★★★★	MS EXCEL ★★★★★ CNC MILL ★★★★★	COMMUNICATION ★★★★★ METAL LATHE ★★★★★

AFFILIATIONS & AWARDS

2011 - Present	Sigma Phi Delta – USC Professional Engineering Fraternity – House Manager (Fall 2013)
2013 - Present	SC Racing – Formula SAE Team (Chassis)
March 2012	Certified SolidWorks Associate – Score: 100%
2010	Dean's List