

Clayton Salinger Ketner

Mechanical Engineering & Computer Science

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INTRODUCTION

Fifth year (of five) Mechanical Engineering & Computer Science student with strong practical experience, good teamwork skills, close attention to detail, background in art and design, and an interest in design and fabrication.

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, ENGINEERING ALGORITHMS, MECHOPTRONICS, HEAT TRANSFER, FLUID DYNAMICS, COMPUTER-AIDED DESIGN (2X) 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 maintain and install computer systems.Communicate with employees and external tech support to report and resolve technical issues.
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.Utilized coding skills with Visual Basic .NET and C# .NET.Concluded findings in a White Paper posted to OSIsoft's vCampus website.

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 OFFICE ★★★★★ CNC MILL ★★★★★	COMMUNICATION ★★★★★ METAL LATHE ★★★☆☆	ADOBE ILLUSTRATOR ★★★★★

AFFILIATIONS & AWARDS

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