




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 external tech support to report bugs 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 - <i>more info on my website</i> CAD CNC DESIGN FABRICATION CODE MATLAB ROBOTICS
Fall 2012	Senior Project – Remote Inspection Vehicle - <i>more info on my website</i> CAD DESIGN TEAM WORK CODE WIRELESS ROBOTICS

SKILLS

– Engineering –

SOLIDWORKS ★★★★★
SOLID EDGE ★★★★★☆
PRO-E ★★★☆☆
LABVIEW ★★★★★☆
MATLAB ★★★★★

– Programming –

JAVA & JUNIT ★★★★★☆
CONCURRENCY ★★★★★☆
AGENTS ★★★★★
C# ★★★☆☆
PYTHON ★★★★★☆

– Miscellaneous –

MICROSOFT OFFICE ★★★★★
WRITING & COMMUNICATION ★★★★★
ADOBE ILLUSTRATOR ★★★★★☆
CNC MILL & LASER CUTTER ★★★★★☆
METAL LATHE ★★★☆☆

AFFILIATIONS & AWARDS

Sigma Phi Delta (Alpha Chapter)
USC Professional Engineering Fraternity
Fall 2011 - Present

SC Racing
Formula SAE Team

Certified SolidWorks Associate
Score: 100%
March 2012

Dean's list (UMass Amherst)
2010