




Clayton Salinger Ketner

Mechanical Engineering & Computer Science

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INTRODUCTION

Fourth 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 [Fall '12]: 3.39, [cumulative]: 3.22 Major: Mechanical Engineering Minor: Computer Science	SENIOR PROJECT, LINEAR CONTROLS, ENGINEERING ALGORITHMS, MECHOPTRONICS, HEAT TRANSFER, FLUID DYNAMICS, COMPUTER-AIDED DESIGN OBJECT-ORIENTED PROGRAMMING, CONCURRENCY, AGENTS
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

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.
June 2009 - Present (summers)	White Ivie Pet Hospital - IT Support (10 hr/wk) <ul style="list-style-type: none">Provide IT support and maintain and install hardware and software.Communicate with outside IT support.

EXPERIENCE

Summer 2012	Robotic Arm (in progress) - <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 TEAM WORK CODE WIRELESS ROBOTICS

SKILLS

– Engineering –

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

– Programming –

JAVA & JUNI ★★★★★
CONCURRENCY ★★★★★☆
AGENTS ★★★★★
C# ★★★★★☆

– 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

American Society of Mechanical Engineers
Fall 2010 - Present

Certified SolidWorks Associate
Score: 100%
March 2012

Dean's list (UMass Amherst)
2010