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)
- 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)
- 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 - *more info on my website*
`CAD` `CNC` `DESIGN` `FABRICATION` `CODE` `MATLAB` `ROBOTICS`

Fall 2012

Senior Project – Remote Inspection Vehicle - *more info on my website*
`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