Clayton Stewart

3744 E. Farr Pl. Tucson, AZ 85716
P: 520-400-6031   E: clayton.mac.stewart@gmail.com   W: claytonmstewart.com

Objective

I am looking to integrate my engineering capabilities and mindset along with my experience in programming to contribute in engineering analysis as well as to develop software that automates business processes in order to streamline workflow across operations.

Education

University of Arizona - Cumulative GPA: 3.5   2014

Degrees:
Bachelor of Science in Mechanical Engineering
Minor in Mathematics

Awards:
Best Overall Design: Senior Capstone Design Project   <http://archive.engr.arizona.edu/news/story0e56.html?id=590>

Completed Coursework:

• Finite Element Analysis	• Control System Design	• Dynamics of Machines
• Heat Transfer	• Vibration Analysis	• Numerical Methods

Pima Community College - GPA: 4.0   2014

Degree:
• Associates in Machine Tool Technology (in progress)

Experience

AGM Container Controls, Tucson, Arizona   June 2009 - present

Titles:

• Design Engineer	• QA Programmer	• CNC/CMM Programmer
• Manufacturing Engineer	• QA Inspector	• CNC/CMM Operator
• IT Programmer		

Awards:
• 2012 Part time Employee of the Year
• 2012 Team of the Year: 2nd Place
• 2012 Bright Idea Award Winner: 3rd place

Experiences:

Information Technology:
• Developed .NET software, which interacted with SQL databases, automating repetitive business processes.

Engineering Department:
• Created Assembly Instructions and updated several drawings for clarification as well as reducing machining and inspection costs through the re-tolerance of dimensions.

Quality Assurance:
• Learned modern techniques to measure part conformance including programming and operating a CMM.

Machine Shop:
• Set up, operated and programmed CNC lathes and mills.

Brownell Inc., London, England   Summer 2011

Engineering Department:
Performed market analysis on shock indicators and conducted research on existing patents before designing a resettable shock indicator that triggered, when a predetermined threshold was surpassed, notifying the receiving department of the possibility of damaged goods.

Skills

Computer Languages:	.NET, SQL, Python, HTML, CSS, G-Code
Data Manipulation Software:	Visual Studio, SQL Server/SSRS, Excel, MatLab
Computer Aided Design Software:	SolidWorks, AutoCAD, ANSYS
Computer Aided Manufacturing Software:	MasterCAM, FeatureCAM
Computer Aided Measuring Software:	CMM Manager
Misc. Software:	Git, Word, PowerPoint, Photoshop, Final Cut Pro

Comprehension of Theory of Inventive Problem Solving, Dimensional Analysis and GD&T

References

Tom Christie, Chief Information Officer, AGM Container Controls
P: 520-881-2130 E: tchristie@agmcontainer.com

David Dolana, Quality Assurance Manager, AGM Container Controls
P: 520-881-2130 E: ddolana@agmcontainer.com

Eric Zuercher, Director of Engineering, AGM Container Controls
P: 520-881-2130 E: ezuercher@agmcontainer.com

Robert Laity, Marketing Consultant, MediaMation
P: 310-561-6136 E: robertlaity@hotmail.com

Martin Partridge, President and Technical Director, Brownell
P: +44-20-8965-9281 E: partridgem@brownell.co.uk