Jacqui Nelson

(818) 770-8370
JacqNelson@gmail.com
Github: SpaceOtterInSpace

SKILLS	Languages: Visual Basic, Processing, HTML, Ruby, C	Software: ProEngineer, Solidworks, SolidEdge, Microsoft Office Suite, Microsoft Access, MatLab, Labview

EXPERIENCE	**Process Engineer**
	Star Engineering Services; *April 2013 – Present*
	• Created Microsoft access database of equipment and process conditions.
	   o Linked shared data of conditions and location to form reports.
	• Created visual basic programs to solve engineering problems.
	   o Wrote functions to reduce repetitive chart look up on basic functions.
	• Organized 8 GB worth of data of paper and digital quotes of parts and organized them by conditions and design requirements in order to streamline cost estimates.
	
	English as a Second Language Instructor
	Raon Language Playschool, South Korea; *Aug. 2010 – Oct. 2012*
	• Created lesson plans for K-6 ESL students in Math, Science, and English.
	• Learned Korean in order to effectively communicate with students and staff.
	
	Design Engineer
	Lockheed Martin, Michoud Assembly Facility; *Dec. 2006 – May 2008*
	• On NASA Orion Spacecraft team for the avionics ring of the service module:
	   o Designed CAD models of hull composite panels for Finite Element Analysis.
	   o Modeled and calculated structural support of composite panels in order to maximize weight efficiency.
	
	Engineering Intern
	Lockheed Martin Michoud Assembly Facility; *Summer 2006*
	• Created Microsoft Excel program to analyze flow conditions to more accurately predict future conditions.
	
	Engineering Intern
	Naval Air Depot: Coronado, CA; *Oct. 2005 – Jan 2006*
	• Translated a real-world, pre-computer age part and the wheelbase of an E-2 to a CAD model in order to do finite element analysis.
	• Worked in subsystems for FA-18s, E-2s, C-2s.	

EDUCATION	**Tulane University,** New Orleans, LA • **B.S.: Mechanical Engineering**, June 2006 • **Minor: Mathematics** **Doshisha University**, Kyoto, Japan (via University of New Orleans), Summer 2009 • Japanese Philosophical Thought **Yonsei University**, Seoul, South Korea, Fall 2012 • Korean Language	