

# Jacqui Nelson

spaceotterinspace.github.io  
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## EDUCATION

### TULANE UNIVERSITY

BS in Mechanical Engineering  
Minor in Mathematics  
June 2006 | New Orleans, LA

## LINKS

Github:// SpaceOtterInSpace  
LinkedIn:// Jacqueline Nelson

## SKILLS

### LANGUAGES

Visual Basic • Processing • HTML  
• CSS • Ruby • C

### SOFTWARE

ProEngineer • Solidworks  
• SolidEdge • Microsoft Office  
Suite • Microsoft Access  
• MatLab • Labview

## EXPERIENCE

### Process Engineer | Star Engineering Services;

April 2013 – Present | Kenner, LA

- Created Microsoft access database of equipment and process conditions and linked shared data of conditions and locations to form reports.
- Created visual basic programs to solve engineering problems by writing iterative 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.

### ESL Teacher | Raon Language Playschool,

Aug. 2010 – Oct. 2012 | Seoul, South Korea

- 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 | New Orleans, LA

- On NASA Orion Spacecraft team for the avionics ring of the service module:
- Designed CAD models of hull composite panels for Finite Element Analysis.
- Modeled and calculated structural support of composite panels in order to maximize weight efficiency.

### Engineering Intern | Lockheed Martin

Summer 2006 | New Orleans, LA

- Created Microsoft Excel program to analyze flow conditions to more accurately predict future conditions.

### Engineering Intern | Naval Air Depot

Oct. 2005 – Jan 2006 | Coronado, CA

- 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.