John M Buscemi

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SUMMARY

Hardworking and eager to learn with strong computing, communication, and time management skills. Graduate of The Iron Yard Code School's Ruby on Rails course with a focus on the logic and database needs required to run and scale full stack web applications. Before The Iron Yard, I worked as an Aerospace Engineer on the structural design and analysis of both commercial and military aircraft engines, with experience ranging from concept optimization to engine test validation.

PROFESSIONAL EXERIENCE

The Iron Yard – Ruby on Rails Engineering Student
Durham, NC | (May 2015 – July 2015)

- Immersed in an intensive 12-week course studying the Ruby programming language, including the Ruby on Rails framework with an emphasis on Test Driven Development.
- Designed and developed, over 3 weeks, a networking app for Iron Yard alumni to facilitate connections and the sharing of resources as the alumni network continues to experience rapid growth.
- Utilized pair programming techniques to successfully complete many class projects including a Survey Monkey clone.

Belcan Corp. - Advanced Engineering Technology Division
Palm Beach Gardens, FL | (January 2008-April 2014)
Structures Analyst

- Extensive structural analysis experience with both commercial and military engine fan blades (hollow and solid), compressor blades (LPC and HPC), and stator vanes.
- Collaborated with designers from engine concept optimization phase through detailed design to ensure successful and cost efficient engine testing and production.

Test Engineer

- Developed pre-test predictions for structural integrity and safety of commercial and military engines.
- Monitored engine test data during engine operation to certify engines structurally for further testing.

TECHNOLOGY SUMMARY

Ruby | Ruby on Rails
Git
MiniTest
Agile | RESTful
SQL | PgSQL
HTML5 | CSS3 | Javascript | jQuery
Unix | Fortran 77/95
Microsoft Office Suite

EDUCATION

The Iron Yard – Durham, NC
Ruby on Rails, July 2015

North Carolina State University – Raleigh, NC
Bachelor of Science: Aerospace Engineering, May 2006

LEADERSHIP

Engineer III
Belcan | January 2013 – April 2014

- Performed analysis and presented results to customer with little oversight from Staff Engineer.
- Cultivated and trained junior engineers.
- Implemented new analysis automation methods improving iteration turn around time and saving customer $50,000 in manpower costs.

Team Leader – Mars Tumbleweed Senior Design Project
NCSU | August 2005 – May 2006

- Led a team of seven students to design a working Earth Demonstrator for the Mars Tumbleweed Rover project, working in close collaboration with NASA LARC researchers

Board Member
TheWorldsGreatestScholarshipInTheUniverseScholarship.com
December 2011 – Present

INTERESTS

Music

- Write, record and locally perform original music.
- 2010 Holiday Tour – Organized, booked and funded a two-week tour playing original music at venues throughout the Southeast, US.

Sports

- Grew up surfing for the WhaleBone Surf Team on OBX, NC.
- Enjoy playing soccer, basketball, and following NCSU athletics.

Travels

- Australia (August-September 2014 | 3 weeks)
- Barbados (December 2005 | 2 weeks)
- Nicaragua (May-June 2004 | 2 weeks)
- South Africa (July 1999 | 1 month)
- Fiji (December 1997,1998 | 2 weeks)

WORDS TO LIVE BY

"It is not the length of life, but the depth." - Emerson