

Charles Ryan West

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Education

North Carolina State University, Raleigh, NC
B.S. in Industrial and Systems Engineering (3.65 GPA)
IIE Six Sigma Green Belt, January 2010
GRE: Verbal: 700 Quantitative: 790 Analytical Writing: 4.5

Experience

Vision Mosaics, Raleigh, NC

CEO, CTO, May 2012 – October 2012

- Created mosaic design and workstation software
- Designed and built company workstation

NC State University, Raleigh, NC

Research Assistant, Teaching Assistant, January 2012 – May 2012

- Developed robotic simulation in Matlab and C++

NCSU Industrial Extension Service, Raleigh, NC

Engineer, May 2011 – June 2011

- Documented changeover process
- Conducted video study to optimize product changeover process

Asheville Natural Resources, Asheville, NC

Engineer, May 2011

- Designed and built vibratory top soil screener

GE Aviation, Durham, NC

Engineer, February 2009 – May 2009

- Saved over \$8,000 annually in materials cost for parts kitting
- Helped optimize kitting process to reduce material waste

Community Activities

Commercial Space Club, NC State University

President, August 2012 – Present

- Gave talk at NC State University with 114 attendees
- Created club to conduct space research with over 25 people

Durham Veteran's Hospital, Senior Project, NCSU

Industrial Engineer, August 2010 – December 2010

- Redesigned material flow in sanitation assembly area
- Created detailed Arena simulation of the sanitation department

Computer Skills

Programming languages: VBA, C/C++, Java, SQL, Fortran, Bash scripting
APIs: Qt Framework, Linux API, Arduino/microcontroller programming
Programs: Microsoft Word, Microsoft Excel, Microsoft Access, Microsoft Visio

References available upon request