

Marlon Greensword

Baton Rouge, LA - Email me on Indeed: indeed.com/r/Marlon-Greensword/9f177b653eb82f5a

Accomplished and integrity-driven professional with advance knowledge in wastewater process, biological, physical, chemical, and occupational safety and health techniques. Trained in wastewater management and environmental engineering.

Willing to relocate to: Fort Worth, TX - Irving, TX - Dallas, TX

Authorized to work in the US for any employer

WORK EXPERIENCE

Owner and Contractor

Swordman Finishing & Painting, LLC - Baton Rouge, LA - November 2016 to Present

self-employed)

Accomplishments

- Provided finishing and painting labor for over 12 residential buildings
- Trained 6 apprentices
- Helped restore communities by assisting reconstruction after the 2016 historic flood

Responsibilities

- Drywall installation
- Painting
- Gutting
- Debris removal
- Drafting contracts in compliance with state and federal laws
- Bookkeeping

Graduate Assistant - Lab Technician

Louisiana State University - Baton Rouge, LA - August 2011 to Present

Accomplishments

- Mastered chemical handling
- Trained undergraduate students
- Designed and built functional biofilters

Responsibilities

- Complete titration
- Proceed to ordering and purchasing lab materials and equipment
- Prepare materials and equipment for lab experiments and research
- Elaborate biofilter designs for denitrification of aquarium water and wastewater management
- Implement the designs by building the biofilters and testing their functionality

Engineering Designer

Aquaculture Systems Technologies, LLC - New Orleans, LA - March 2015 to August 2015

Accomplishments

- Mastered use of Solid Works software
- Completed over 7 designs as a part-time employee within the first three months

Responsibilities

- Designed recirculating aquaculture equipment parts: aquarium filters, airlifts, PolyGeysers® in Solid Works format

- Proceeded to engineering calculations to ensure accurate flow and trigger timing
- Reported directly to the CEO and the Chief Designer

Machinist

Turner Industries - Baton Rouge, LA - May 2011 to June 2012

Accomplishments

- Mastered use of equipment
- Help generate \$300,000 worth of material

Responsibilities

- Operate equipment: mill, lathe
- Utilize Vernier caliber and micrometer to measure shafts

Substitute Teacher

East Baton Rouge Parish School System - Baton Rouge, LA - December 2010 to August 2011

Accomplishments

- Implemented management strategies to maintain discipline and create a setting conducive to student learning
- Applied comprehensive curriculum concepts in over six different disciplines, mainly mathematics, science, industrial arts, social studies, and physical education to all grade levels

Responsibilities

- Provide instruction and class work assistance to students from Kindergarten to 12th grade
- Conduct activities to prepare students for standardized testing

Graduate Assistant - Engineering Manager

Louisiana State University - Baton Rouge, LA - January 2008 to December 2009

Accomplishments

- Implemented strategies to improve Oschner hospital production in terms of cost and time management.
- Assisted in managing and audited over \$100,000,000 in revenue.
- Helped save over \$500,000 in inventory.
- A member of the cost reduction taskforce at several Oschner Hospital campuses (New Orleans and Baton Rouge).
- Applied scholarly learned knowledge into concrete practice.

Responsibilities

- Complete audits on inventory usage.
- Time Study, SPC, DEMAIC etc.
- Team leader for the Kaizan project.
- Supply Chain and Lean management.
- Implement Lean tools to improve flow of processes.
- Work with physicians and nurses to improve departments' functional processes.

Graduate Assistant - Engineering Drafter/ Database Administrator

Louisiana State University - Baton Rouge, LA - May 2006 to August 2007

Accomplishments

- Completed numerous detailed drafts that were 100% accurate within the required time.
- Acquired extensive knowledge on architectural, mechanical, and structural plans.
- Proved expertise in floor and ceiling plans.
- Completed numerous detailed drafting assignments for the Department of Landscaping.
- AutoCAD drafting Proficiency in 2D & 3D

Responsibilities

- Locate live oaks trees on campus and upgrade the matching blueprint with AutoCAD.

- Design and draw architectural/engineering plans
- Update existing building drawing files (as-built)
- Maintain digital library and records of scanned drawings

Drafter/ Detailer

Coast 2 Coast - Chattanooga, TN - October 2005 to March 2006

Accomplishments

- Completed numerous detailed drafts that were 100% accurate within the required time.
- Acquired vast knowledge of architectural, mechanical, and structural plans.
- Proved expertise in floor and ceiling plans.

Responsibilities

- Conducted building surveys and detail drafting for various companies that utilized 2D AutoCAD.
- AS-Built - used AutoCAD to produce drawing.
- Working with structural, mechanical and architectural plans.
- Light surveying.

EDUCATION

Ph.D. in Engineering Science

Louisiana State University - Baton Rouge, LA
December 2017

Certification

Institute of Industrial and Systems Engineers - Baton Rouge, LA
November 2016

M.S. in Civil & Environmental Engineering

Louisiana State University - Baton Rouge, LA
August 2015

M.S. in Industrial Engineering & Construction Management

Louisiana State University - Baton Rouge, LA
December 2010

B.S. in Industrial Engineering & Construction Management

Louisiana State University - Baton Rouge, LA
December 2007

B.S. in Mechanical Engineering, History & Economics

Louisiana State University - Baton Rouge, LA
May 2005

SKILLS

Solidworks (4 years), Autocad (10+ years), Microsoft Office (10+ years), SAS (9 years), Matlab (5 years)

LINKS

<http://lsu.edu>

AWARDS

Graduate Assistantship

2008

2008-Present

Louisiana State University

Athletic Scholarship

2001

Track and field

Gardner Webb University

Athletic Scholarship

2002

Track and field

Louisiana State University

Chevron Engineering Graduate Assistantship Supplement

2014

CERTIFICATIONS/LICENSES

Lean Six Sigma Green Belt

PUBLICATIONS

Reducing the Cost of Bioreactors for Developing Countries' Aquaculture by Using Rice Hulls as a Filtration Media

July 2017

(Upcoming) Doctoral Dissertation. Louisiana State University.

Investigation into Legislative Action Needed to Accommodate the Future Safe Operation of Autonomous Vehicles in the State of Louisiana.

2016

with Wilmot, Chester. No. FHWA/LA. 16/571. 2016.

Identifying Local Transit Resources for Evacuation.

2015

with Wilmot, Chester, Ruijie Bian, and Alaa Shams. No. FHWA/LA. 15/556. 2015.

Life Cycle Analysis of an Airlifted Recirculation Aquaculture Facility.

2015

Master's Thesis. Louisiana State University.

Biomechanical Evaluation of Modified Track Shoes.

2010

Master's Thesis. Louisiana State University.

Modified track shoes and their effect on the EMG activity of calf muscles.

2012

with Aghazadeh, Fereydoun and Saif Al-Qaisi. Work 41. Supplement 1 (2012): 1763-1770.