
PROFESSIONAL EXPERIENCE

Louisiana Department of Transportation and Development
December 2016-Present

Natchitoches, LA

Engineering Technician 4

- Supervising 4 to 6 contractors on the development of projects involving asphalt laying, milling operations, and maintenance of bridges and highway intersections.
- Calculating cost projections and time estimates for multiple work-items on monthly projects.
- Developing, implementing, and maintaining a quality control system ensuring all materials and products submitted meet LA DOTD specifications.
- Prepare daily work reports and verifies elevations/alignments of construction projects using AASHTO Project Site Manager.

Louisiana Tech University: Institute for Micro-Manufacturing
June 2012-October 2013

Ruston, LA

Undergraduate Research Assistant

- Generated graphs with MATLAB and Microsoft Excel to measure tunneling effect of electrical percolation in carbon nanotube composites for LA-SiGMA project *A Robust Model for Predicting Charge Mobility in a Random CNT Composite Sample*.
- Administered workstation configuration and connectivity to servers for Monte Carlo method simulations with UNIX.
- Designed three-dimensional simulations on Materials Studio software for nano-materials, metals, polymers and composites for experimental evaluations.
- Developed presentations to discuss research progress to faculty and students at weekly meetings.

EDUCATION

Southern University and A&M College
August 2014-May 2016
Master of Engineering, Electrical Engineering, 3.33

Baton Rouge, LA

Louisiana Tech University
September 2009-May 2014
Bachelor of Science, Physics. 3.0

Ruston, LA

SKILLS AND SOFTWARE

- Specialized in designing and fabricating of electronics and root cause analysis.
- Professional background in developing IC design specifications, system reference models, and AC/DC circuits.
- Demonstrated verbal, written, and problem-solving skills for technical and non-technical presentations.
- Academic and professional experience with Microsoft Suite: Word, Excel, and PowerPoint.
- Multiple years of experience in AutoCAD, C++, CSS, Java, LAMMPS, Linux, MATLAB, Materials Studio, P-SPICE, Python, SQL, Solidworks, and UNIX.