

OSCAR L. MCCLAIN

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EDUCATION

Southern University and A&M College, Cumulative GPA: 3.92

Anticipated Degree: Chemistry and Chemical Engineering- 2019

PROFESSIONAL EXPERIENCE

Los Alamos National Laboratory, Los Alamos NM

June 2016-August 2016

Student Intern

Proton Exchange Membrane Fuel Cell

- Studied the effects of organics on precious metal based catalysts on PEM Fuel Cell performance with respect to impurities in the hydrogen fuel stream
- Used LabVIEW to develop a calculator that computes Pt Loadings for Catalyst Inks

Microfilm Applicator

- Studied the viability of a microfilm applicator use in made production of electrodes
- Determined a correlation between applicator height and Pt Loadings
- Prepared and gave a poster presentation regarding findings

Jacob's Engineering Group, Inc., Baton Rouge, LA

June 2014 to July 2014

Student Intern

Control Systems Engineer

- Gained experience on AutoCAD by designing and analyzing instruments for piping and instrumentation diagrams (P&IDs) that were used to operate a process system
- Gained professional environment experience on how to manage time and collaborate with others on group projects
- Prepared and gave a power point presentation on my experience as a Control Systems Engineer

EXTRACURRICULAR ACTIVITIES

Southern Regional Honors Council

August 2015- Present

Louisiana Collegiate Honors Council

August 2015- Present

National Association of African American Honors Program

August 2015- Present

Southern University Honors Student Association

August 2015- Present

HONORS

Southern University Honors College

Southern University Honors College Scholarship Recipient

Southern University System Foundation Scholarship Recipient

Louis Stokes – Louisiana Alliance for Minority Programs Scholarship Recipient

HBCU-UP Ace Program Scholarship Recipient

Southern University College of Engineering Scholarship Recipient

Scotlandville High School Alumni Association Scholarship Recipient

Highest GPA in Southern Universities Honors College

SKILLS

- Public Speaking
- Microsoft Office Suite
- Multisim
- AutoCAD
- Community Service
- Revit

REFERENCES AVAILABLE UPON REQUEST