

RICHARD QUAICOE

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PROFESSIONAL PROFILE

- Aerospace Engineering student with three years of UAV building and problem solving experience
- Over a year of research experience in the government and private sector
- Three years of experience in project management
- Possesses excellent leadership and communication skills with the ability cultivate and sustain profitable team dynamics

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Bachelor of Science in Aerospace Engineering

Atlanta, GA

Graduation December 2015

EXPERIENCE

Novartis Alcon

Johns creek, GA

Quality Control Engineer Intern

August 2015 - present

- Streamlining process between Shipping and Incoming
- Setting up an efficient process to utilize Control Center for Analytical, Incoming, and Final Inspection
- Setting up visual controls for Final Inspection, designing efficient set up for new Final Inspection lab
- Review design for efficiency in the Microbiology Lab.

Naval Engineering Education Center (NEEC)

Atlanta, GA

Undergraduate Researcher

August 2013 - August 2014

Ballistic Missile Defense (confidential project)

- Detailed engineering drawings
- Detailed analysis development
- System modeling

The Aerospace Engineering Combustion and Fluid Mechanics Laboratory

Atlanta, GA

Undergraduate Researcher

June 2013 - August 2013

Flame shape and emissions measurements in a realistic single-sector gas turbine combustor

- Collected and compared data on Rolls Royce fuel injectors
- Tested Rolls Royce fuel injectors for flame shape and burn rate
- Detected Rolls Royce fuel injectors for combustion byproducts such as hydrocarbons, nitrogen oxides and carbon monoxide

Georgia Tech Design Competition (Design, Build, Fly Team)

Atlanta, GA

The team designs and builds unmanned aircrafts for international AIAA and SAE Aerodesign competition

August 2012 - August 2015

- Team lead of the 2014 Manufacturing team of the SAE Aerodesign Micro-class delta wing design concept
- 2013 CAD and Structures team- Designed the testing apparatus to ensure the structural integrity of all load bearing joints.
- Detailed engineering drawings and detailed structural analysis, and deploying various testing models
- 2012 Manufacturing team- Responsible for maintaining proper inventory of all parts of the plane and the building of the aircraft
- Detailed engineering drawings and detailed analysis Developing, testing and deploying various models

SKILLS AND AWARDS

Programs:

LabView, AutoCAD, AutoDesk Inventor (3D CAD), Matlab, Solid Works, Computational fluid dynamics Analysis, Finite element Analysis, Simulink, NI myDAQ,

Platforms:

Mac OS, Microsoft Office Software Suite

Awards:

- 2015**-First Place SAE Aerodesign Micro-class
- First Place SAE Aerodesign Payload Fraction
- First Place SAE Aerodesign design report
- 2013**- First Place SAE Aerodesign Micro-class
- First Place SAE Aerodesign Micro-class Report
- Second Place SAE Aerodesign Payload Fraction

LEADERSHIP

Sankofa Generation of Africa – *President and Co-Founder*

March 2014- Present

- Organizing, planning, and leading to ensure the perpetuation and overall success of Sankofa Generation of Africa
- Planning regular meetings and preparing agendas for the officers and delegating responsibilities as necessary
- Meeting and coordinating with the Executive Board to present the general body with all legislations

African Student Association – *Programs Chair*

March 2014 - March 2015

- Plan at least 2 academic, career, and community service events and programs per month
- Coordinated and raised \$ 3500 toward the planning Project Africa
- Develop professional contacts in order to provide more career related initiatives for member

Alpha Kappa Psi Professional Business Fraternity – *Georgia Tech Chapter Director of Alumni Engagement*

January 2015- May 2015

- Revamped relations with 1000+ alumni by working on a team to create a coordinated digital correspondence and events campaign using CRM
- Worked on a team of 3 directors to host 6 alumni-oriented events, produce
- Managed alumni database