

Charly E. Ntamack, EIT, LEED AP

13539 Georgia Ave, Apt#301

Silver Spring, MD 20906

Phone: 240-883-8828

ntamackcharly@yahoo.com

OBJECTIVE: Obtain a challenging engineering position where my experience and education can be fully utilized.

EDUCATION

Master of Engineering in Energy 12 / 2010
University of Maryland, College Park, MD

Master of Science in Mechanical 9 / 2004
University of Yaoundé I, Yaoundé, Cameroon

LICENSES & CERTIFICATIONS

eQUEST certification 10 / 2012
LEED AP BD+C 09 / 2012
Certified Energy Manager in Training certification (EMIT) # 90171 12 / 2011
Engineer in Training license (EIT) #40501, Maryland 4 / 2011

TRAINING

LEED 201: LEED Core Concepts & Strategies 2 / 2012
CEM training course for government involved energy professionals 10 / 2011

EXPERIENCE

Self-volunteer Energy Auditor, Silver Spring, MD 8/2011 – present

- Performed apartment visits to visually inspect and assess energy saving opportunities
- Interpreted and communicated findings to apartment owners in a clear accessible manner
- Developed life-cycle and payback calculations of ECMs.
- Installed and explained various energy saving products such as CFLs, aerators, showerheads, etc.
- Prepared audit reports containing energy analysis results and recommendations for energy cost savings
- Communicated results to clients

Environmental Adviser, Green Step, Sausalito, CA 6/2012 – 7/2012

Involved in the design phase of the LEED for Commercial Interiors project, the BCCI Construction SF Office build out (Project #:1000012032) located in San Francisco, California. Actively completed multiple LEED credit calculations including:

- SS Credit 1, Option G, Water Efficient Irrigation- Reduced Potable Water Consumption
- WE Credit 1-Water Use Reduction
- EA Credit 1.1-Optimize Energy Performance, Lighting Power
- EA Credit 1.3-Optimize Energy Performance, HVAC, Option B
- EA Credit 4-Green Power
- MR Credit 4-Recycled Content
- IEQ Credit 8-Daylight

ORISE Research Intern, FDA/CDRH/OSEL/DSFM, Silver Spring MD

5/2011 – 8/2011

- Collaborated with FDA Research Engineer to implement measurements and calibrations capability for DSFM's LaVision current 3D DPIV system.
- Validated standard calibration (in plane velocities) and patented LaVision self calibration (air to fluid correction) for out plane velocity.
- Configured several different formulas of Newtonian blood analog fluid (water, glycerin and sodium iodide) to match the refractive index for Lucite flow models for PIV experiments.
- Measured in and out diameter of hollow glass funnel/hollow waveguide fiber using digital microscope to better optimize laser sheet DPIV illumination.
- Assisted in analyzing the fluorescence excitation and emission wavelengths of NASA polystyrene particles.
- Participated at poster event at FDA on August 3, 2011

Engineering Intern, Washington, DC VA Medical Center

1/2011 – 5/2011

- Performed building walk-through to identify phantom load and recommended energy efficient products such as ENERGY STAR appliances
- Identified energy savings opportunities relating to lighting, mechanical and electrical systems and made recommendations to achieve more energy efficient operations
- Completed a security camera project that allowed all engineering staff to monitor each server room throughout the building.
- Learned troubleshooting concepts while repairing vital signs monitor, infusion pumps, Heaters and ventilators.
- Performed technical system design, maintenance principles and data management techniques to evaluate alternative approaches in recommending solutions to system problems and updates
- Worked with VISTA system to initiate maintenance calls, document performed work and track all vendor/contractual work completed to ensure traceability and accountability

AWARDS

- Letter of Appreciation from the Washington D.C. Veterans Association Medical Center for the projects completed during a four month internship with the Biomedical Engineering Department.
- Recognition for participating in The Washington Center's Spring 2011 Internship Program

RELEVANT SKILLS

- Skillful in Matlab, Excel, Word and PowerPoint, Engineering Equation Solver (EES)
- Proficiency in eQUEST
- Fluent in French

ACTIVITIES

- Association of Energy Engineers (AEE), Student Member 12/2010 – Present
- Maryland ALUMNI Association, member 12/2010 – Present