Anthony E. Lyons 1320 North Veitch St., Apt 621 | Arlington, VA 22201

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EDUCATION	
The George Washington University, Washington, DC Bachelor of Science, Mechanical Engineering - $3.2/4.0$ GPA, K Σ Alumnus	May 2015
Korea University, Seoul, South Korea	Feb. 2013-June 2013
CERTIFICATION	
Association of Energy Engineers, Atlanta, GA Energy Manager in Training (E.M.I.T.) - C.E.M Track	May 2015
WORK EXPERIENCE	
 Georgetown University Department of Energy and Utilities, Washington, DC Operations and Maintenance Engineer Ensure safe and uninterrupted distribution of steam, domestic water, chilled water, ar Develop and oversee projects to increase operational and energy efficiency, and redu Manage and coordinate utility maintenance throughout 103 acres of land and 7 millio Optimize controls programs using Automated Logic for science, medical, residential, Clark Construction, LLC, Washington, DC Office Engineer at The Smithsonian National Museum of African American History and Culture Tracked material installation, building commissioning, and permitting for a \$400 mil Project financial management including change order tracking, billing projections, ar Field coordination between architects and subcontractors for plumbing, electrical, and Project lead for "Green Trailer" designing energy afficient trailer to reduce energy and 	June 2016-Present ad high-voltage utilities ce carbon emissions on ft ² of building space , and athletic facilities June 2015-June 2016 <i>re</i> lion federal project ad labor cost analysis d landscape work
GWU Smart Systems, LLC, Washington, DC Undergraduate Researcher	June 2014-May 2015
 Developed a path planning algorithm for a long-distance autonomous robot charged l Prototyped the robot platform using AutoCAD, and Solidworks Presented research slideshows to professors and judges for research competitions 	by PV cells
 Pedal Forward, LLC, Washington, DC Manufacturing Intern Refined the process plan to minimize cost for bamboo bike manufacturing Manufactured and modeled plastic, metal, and bamboo bike parts with CNC machine Compared costs of manufacturing methods to ensure rapid, consistent, and cost-effect PROJECTS 	May 2014-May 2015 es and Solidworks tive product delivery
 Microbial Fuel Cell Energy Capture from Swine Waste, Senior Capstone Collected swine wastewater samples in order to measure toxicity, acidity, and organi Implemented a microbial fuel cell to generate electricity from bacterial interactions Projected energy generation and savings for system implementation on a farm-level set. 	Oct. 2014-May 2015 ic content
 Florida Home Energy Retrofit, Advances in Energy Engineering Collected energy consumption data from federal, utility, and local sources to generate Analyzed the life-cycle cost and energy savings of building envelope, material, and N Calculated which new systems or changes to old systems would create the most dollar 	Jan. 2015-Mar. 2015 e energy use projections MEP system changes ar and/or energy savings
 Offshore Wind Farm Analysis, Advances in Energy Engineering Gathered energy consumption data for of VA and MD to model power plant greenhoi Analyzed civilian and military shipping traffic throughout the Chesapeake bay to sele 	Jan. 2015-Mar. 2015 use gas emissions ect wind farm location

• Used data from NOAA to select turbine size and orientation to ensure adequate power generation to replace existing power plants

SKILLS

- Technical: AutoCAD, Solidworks, Microsoft Office, Navisworks, Bluebeam, and Automated Logic
- Languages: Korean coursework from The King Sejong Institute at the Korean Embassy in Washington, DC