

GEORGE BRENNAN MCGUIRK

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SUMMARY

Environmental engineering and natural resource management professional pursuing a career in the energy industry. 2014 candidate in dual MBA-MS program concentrating in Clean Technology and Finance. Skills and expertise include:

- Economics, Pricing Structures and Consumer Demand
- Energy Efficiency and Demand-Side Management
- Regulatory Compliance and Risk Management
- Strong Leadership and Communication Skills
- Power Generation, Storage and Distribution
- Financial and Statistical Analysis
- Business Strategy and Development
- Team Building and Project Management

EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN, McCombs School of Business and Jackson School of Geosciences August 2014

Master of Business Administration, Master of Science in Energy and Earth Resources

- Concentrations in CleanTech and Energy Finance; CleanTech Fellow; GPA: 3.89
- Vice President of Student and UT Relations, CleanTech Group; Member, Net Impact
- McCombs MBA+ Project with Crider Americas Solar in corporate strategy, developed a five-year business plan and detailed organizational chart specifying roles and responsibilities for strategic hires to present to investors
- Thesis: *System-wide Assessment of Long-term Macroeconomic and Energy Trends*

RICE UNIVERSITY, Houston, TX

May 2003

Bachelor of Arts in Economics & Environmental Science and Engineering

- Graduated *cum laude*; National Merit Scholar; GPA: 3.75; Captain, Men's Lacrosse

EXPERIENCE

XTREME POWER, Kyle, TX

Spring and Fall 2013

Strategic Marketing Intern, CleanTech Fellowship Program

- Conducted extensive client interviews to determine market demand for a portfolio of new product offerings; findings incorporated into product development plans and marketing presentations
- Optimized system pricing models to provide clients with maximum value while maintaining project profit margins

RES AMERICAS, Broomfield, CO

Summer 2013

Project Development Intern, Wind and Energy Storage Development

- Evaluated appetite for renewable power in East Coast power markets and developed regional market entry strategy incorporated into live project pitch presentations
- Examined local tax code and electric transmission infrastructure to identify best development sites for frequency regulation using advanced battery technology; findings directed landowner outreach efforts

NATIONAL RENEWABLE ENERGY LABORATORY, Golden, CO

Summer 2012

Research Participation Program Intern, Strategic Energy Analysis Center

- Performed statistical analysis to model residential solar photovoltaic adoption rates at county, utility, state, and national market segmentation levels; analyzed predictive ability of developed models
- Prepared recommendations to guide future research efforts to develop agent-based model

INNOVARI, Austin, TX

Spring 2012

McCombs Energy Finance Practicum Project Consultant

- Analyzed the relationship between system reliability, demand requirements, and wholesale market pricing to create a model indicator to be delivered to retail markets as a signal for Demand Side Management
- Reported findings to the California Independent System Operating control area

AMEC, Austin, TX

2006 - 2012

Engineering and project management consulting for industrial and energy sectors

Project Scientist

- Managed field operations for \$1M bi-annual groundwater sampling events at chemical facility with groundwater contamination, worked closely with client to develop action plan, directed sampling teams of six field scientists and implemented new sampling procedures; reduced sampling time by 30% and sampling costs by almost 50%
- Directed construction, implementation, and maintenance of pilot in-situ groundwater remediation system; achieved over 50% reduction in trichloroethylene concentrations in pilot area

ACI CONSULTING, LLC, Austin, TX

2004 - 2006

Environmental consulting for residential and commercial development

Senior Scientist and Project Manager

- Coordinated teams of 5-10 surveyors conducting census surveys for endangered species and facilitated negotiations between clients and the US Fish and Wildlife Service to finalize Habitat Conservation Plans and NEPA Section 10(a) Endangered Species Permits for land development projects
- Conducted various environmental site assessments to ensure compliance with US Army Corp of Engineers, Texas Commission on Environmental Quality, Texas Railroad Commission, and City of Austin regulations

ADDITIONAL

- 2012 Startup America Policy Challenge finalist and scholarship recipient; presented a plan to the Department of Energy to establish online social-media platform to increase residential solar PV adoption
- Professional Organizations: International Association of Energy Economists
- US Army Corps of Engineers Training: Wetland Delineation & Management, Section 404 Permitting
- Proficient in: AutoCad, ArcGIS, Excel, MATLAB, R, SAS, STATA; Experienced in: EnergyPlus
- Interests: Avid fly fisherman, bruised mountain biker, aspiring backwoods Dutch-oven chef
- **Work Eligibility:** Eligible to work in the United States with no restrictions