



# Adrian Au

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## **ENERGY AND ENVIRONMENTAL ECONOMICS, INC.** *Consultant*

San Francisco, CA

Mr. Au joined E3 upon receiving his B.S. and M.S.E in Mechanical Engineering from Johns Hopkins University, where his studies ranged from cutting-edge research on solar, wind and wave technologies to energy resource planning modeling. His graduate research focused on the resiliency of North American natural gas and electricity transmission networks under various energy resource and policy scenarios. During his last three years at Hopkins, he interned with the City of Baltimore's Office of Sustainable Energy to help reduce the city's carbon footprint and energy bill through demand response and energy auditing.

## **CITY OF BALTIMORE, OFFICE OF SUSTAINABLE ENERGY** *Energy Engineering Intern*

Baltimore, MD  
June 2016 – July 2019

- Developed a demand response program to help reduce time-of-use rates for Baltimore City
- Identified energy savings through energy audits, heat transfer and thermodynamic analysis, and building load analysis
- Analyzed microgrid potential in the city's transport hubs to encourage more renewables and energy resilience

## **THE JOHNS HOPKINS UNIVERSITY** **DEPARTMENT OF MECHANICAL ENGINEERING** *Graduate Research Assistant*

Baltimore, MD  
September 2018 – July 2019

- Developed a capacity expansion model in GAMS for the North American grid for the Siddiqui lab
- Investigated the resiliency of the natural gas and electricity transmission network of North America under resource supply shocks and renewable energy policy scenarios

## **THE JOHNS HOPKINS UNIVERSITY** **OFFICE OF SUSTAINABILITY** *Energy Analyst*

Baltimore, MD  
August 2016 – May 2018

- Implemented a combined heat and power plant and a heat recovery chiller in two university-owned facilities
- Provided technical and market expertise on thermodynamic and mechanical devices for energy-efficient HVAC technology

## Education

The Johns Hopkins University  
*M.S.E., Mechanical Engineering (Energy and the Environment)*

Baltimore, MD  
2019

The Johns Hopkins University  
*B.S., Mechanical Engineering*

Baltimore, MD  
2018

## Citizenship

Hong Kong, Canada, United Kingdom