

# JACK ARKFELD

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Dedicated project specialist with 4 total years of experience. Looking for opportunities in alternative renewable energy. Focused in implementing sustainable practices into the electrical grid. An ambitious self-starter, confident in my abilities to learn, and have excellent problem-solving skills. Thrives best in a collaborative environment as well as take on individual responsibility. Seeking leadership opportunities within the company.

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## EXPERIENCE

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### HABITAT FOR HUMANITY OF OMAHA – OMAHA, NE

#### •ENERGY AUDITOR

MARCH 2020 – PRESENT

- Collect and analyze field data in residential energy models to save low-income homeowners on average 18.7% energy and \$126 in utilities
- Operate energy modeling software (NEAT) to maximize savings-to-investment calculations

#### •WEATHERIZATION PROGRAM ASSOCIATE

MAY 2018 – MARCH 2020

- Responsible for the launch and development of Habitat for Humanity's first energy efficiency program, serving 80 houses a year and managing \$500,000 in program costs under the Department of Energy
- Project manage energy efficiency measures for families 200% or below the poverty line through processing applications, subcontracting, quality assurance, project reporting, and submissions

### BLUESTEM ENERGY SOLUTIONS – OMAHA, NE

MARCH 2018 – MAY 2018

#### •RENEWABLE ENERGY INTERN

- Researched electrical utility cooperatives and municipalities throughout the United States to assist origination and development teams to locate utility companies interested in low carbon solutions

### BRANCHPATTERN, ME GROUP – OMAHA, NE

JANUARY 2017 – JANUARY 2018

#### •LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED) INTERN

- Assisted Project Managers in LEED certification of warehouses through commissioning, electrical, mechanical, and plumbing upgrades

### CREIGHTON UNIVERSITY – OMAHA, NE

AUGUST 2016 – MAY 2017

#### •PHYSICS DEPARTMENT INDEPENDENT RESEARCH STUDENT

- Designed and created a four terminal testing station for thin films research in solar panel materials

## EDUCATION

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### CREIGHTON UNIVERSITY – OMAHA, NE

MAY 2018

- BACHELOR OF SCIENCE IN SUSTAINABLE ENERGY SCIENCE,
- MINOR IN COMMUNICATION STUDIES,

- Projects included feasibility study for solar array installed in a Costa Rican hotel by NuStyle
- Analyzed NREL data for strains of algae with sufficient proteins and carbohydrates used for food and fuel
- Performed Level 1 EnergyStar energy audit for Creighton Preparatory High School
- Designed net zero house for a homeowner in O'Neill, NE
- Researched profitable sustainability practices for children's support program in the Dominican Republic

## **CERTIFICATIONS, CONFERENCES, & HONORS**

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### **BUILDING PERFORMANCE INSTITUTE (BPI) – SANTA FE, NM**

OCTOBER 2019

- **NATIONALLY CERTIFIED ENERGY AUDITOR**

- **BUILDING ANALYST**

ID#5064181

- **QUALITY CONTROL INSPECTOR**

-Trained to analyze home energy performance and analyze cost efficient steps to decrease energy usage and utility costs from first inspection to final sign off

-National certification supported by the U.S. Department of Energy (DOE) and its National Renewable Energy Laboratory (NREL)

### **MIDWEST TRAINING INSTITUTE (MTI) – OMAHA, NE**

SEPTEMBER 2019

- **EPA RRP LEAD RENOVATOR INITIAL CERTIFICATION – CERTIFICATE #R-I-18316-3-19-00100**

-Trained to conduct on site investigations to determine existence, nature, severity, and location of lead-based paint hazards

### **HOME PERFORMANCE COALITION – CHICAGO, IL**

MARCH 2019

- **NATIONAL HOME PERFORMANCE CONFERENCE AND TRADE SHOW**

-The largest meeting of home performance and weatherization professionals in the country to enhance career development and enhance technology use during home energy inspections

### **CREIGHTON UNIVERSITY – OMAHA, NE**

MAY 2018

- **SERVICE AND LEADERSHIP AWARD**

-Initiated professional career through self-organized internships alongside studies

-Involved in multiple different organizations to promote sustainability and personal development

## **LEADERSHIP & ADDITIONAL WORK EXPERIENCES**

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- **BROTHERHOOD CHAIR – BETA THETA PI, OMAHA, NE**

JANUARY 2017 - JANUARY 2018

- **VICE PRESIDENT – BLUE CREW, OMAHA, NE**

AUGUST 2016 - MAY 2017

- **CATERING EXECUTIVE – DANCE MARATHON, OMAHA, NE**

MAY 2016 - NOVEMBER 2016

- **STUDENT UNION EVENTS MANAGER – CREIGHTON, OMAHA, NE**

AUGUST 2015 - MAY 2018

- **RESTAURANT WAITER - TWISTED FORK, OMAHA, NE**

MAY 2017 - AUGUST 2017

- **RESTAURANT WAITER – APPLEBEES, OMAHA, NE**

MAY 2013 - NOVEMBER 2016

- **EVENTS MANAGER – MOYLAN ICEPLEX, OMAHA, NE**

DECEMBER 2013 - JANUARY 2015

- **SANDWICH MASTER – SUBWAY, OMAHA, NE**

DECEMBER 2012 - DECEMBER 2013

## **SKILLS**

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- **Computer skills:** Microsoft Word, Excel, PowerPoint, AutoCAD (basic)

- **Energy Modeling:** National Energy Audit Tool (NEAT)

- **Gallup Strengthsfinder:** Ideation, Adaptability, Arranger, Belief, and Maximizer

- **Language:** Spanish (basic)

- **Project management software:** BuilderTrend