



**LEED Project
Achievements**

SARA HEINZ	GOLD
WYEP RADIO STATION	SILVER
MCGUINNIS EDUCATION	SILVER
SLIPPERY ROCK UNIV. STUDENT	CERTIFIED DESIGN
RESPIRONICS BUILDING Q	LEED CHAMPION

**Professional
Affiliations**

- ASHRAE (American Society of Heating, Refrigeration and Air-Conditioning Engineers)
- ASPE (American Society of Plumbing Engineers)
- Engineer’s Society of Western PA

Areas of Specialization

- Principal at BDA Engineering, Inc, since 2016.
- Managing client satisfaction. Actively facilitating communication among project teams toward a coordinated goal of exceeding Owner expectations.
- Managing LEED accredited design, certification and energy modeling services. Responsible for LEED feasibility analysis, progressive coordinated system designs, interactive energy modeling, LEED documentation and/or commissioning on an ever growing number of LEED Certified and/or LEED registered projects.
- Engineering design of mechanical, plumbing, and fire protection systems for new and infrastructure improvement projects for higher educational, commercial, telecommunications and manufacturing clients. Engineer of record for many projects within Pennsylvania.
- Leading in the implementation of geothermal based HVAC solutions, having designed, modeled and/or consulted on dozens of geothermal installations.
- Drawing upon a diverse background of experience within the higher education sector, public and private commercial sectors, telecommunications industry, an extensive resume of LEED project involvement and alternative system expertise to provide unique qualifications toward strategic comprehensive energy efficient solutions.

Employment History

- 12/04-Present BDA Engineering, Inc., Pittsburgh, Pennsylvania
- 4/99-12/04 LLI Technologies, Inc., Pittsburgh, Pennsylvania
- 4/98-4/99 Burt Hill Kosar Rittelmann Associates, Pittsburgh, Pennsylvania
- 1/96-8/97 DICK Corporation, Contractors and Engineers, Large, Pennsylvania

Professional Registration

- 2002 P.E. – State of Pennsylvania
- 2002 CPD-Certified in Plumbing Design
- 2002 LEED Accredited Professional

Educational Background

1998
B.S.A.E. – Pennsylvania State University
Environmental Option: *HVAC Emphasis*,
Five year professional degree
(ABET accredited)

**BDA
ENGINEERING, INC.**

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