

Michael Whitehead

Application Engineer - Borrego Solar Systems

Phoenixville, PA - Email me on Indeed: [indeed.com/r/Michael-Whitehead/b7aef3f1f229e822](https://www.indeed.com/r/Michael-Whitehead/b7aef3f1f229e822)

Solar Applications Engineer (NABCEP Certified Installer)

WORK EXPERIENCE

Application Engineer

Borrego Solar Systems - Lowell, MA - 2011 to Present

011-

- o Engineering support, electrical and mechanical design, project assessment, cost estimation, production modeling and analysis for commercial and utility-scale commercial solar photovoltaic projects.

Solar Design Engineer and Project Manager

Mainline Solar - West Chester, PA - 2010 to 2011

Electrical and mechanical design and project management solar systems

Aztec Solar Power - Wayne, PA - 2009 to 2010

- o Design and Project Management of a large commercial and residential solar projects. Electrical and mechanical design and project management solar systems. AutoCAD design, permitting, and sales support for large commercial and residential solar photovoltaic systems.

Aztec Solar Power, Wayne, PA

Solar Design and Engineering Manager 2009-2010

Managing Partner/Entrepreneur

Kimberton Properties - Kimberton, PA - 2006 to 2008

- o Responsible for all aspects of construction management, marketing, finance, regulatory requirements, and customer relations

Photonics Engineering Software Project Manager and Architect

Ciena Corporation - Linthicum, MD - 1997 to 2007

- o Managed numerous critical development projects for thin-film optical filter and fiber optic photonic components used for dense wave division multiplexing network devices.

- o Managed development of optical networking hardware interface and design software and network management and provisioning systems.

Senior Software Engineer

Arinc, Inc - Annapolis, MD - 1992 to 1997

- o Developed aircraft data link air-ground communications systems and FAA air traffic control applications (1992-94 & 1996-97)

Teaching and Public Speaking

Michael has served as public speaker and trainer on Solar Photovoltaics, Solar Energy and Renewable Energy economics. He has taught at the college level and as a corporate trainer. Michael has many years experience in a mentoring capacity for young engineers and interns.

Passionate about solar and renewable energy and electrical installation and design. Creative and critical thinker. Strong analytical and communication skills. Team player. Great customer relations skills.

EDUCATION

Advanced Post Master's Certificate in Computer Science

Johns Hopkins University, Whiting School of Engineering - Baltimore, MD
2000 to 2002

Master of Science in Computer Science

Johns Hopkins University

Master of Arts in Economics

University of Texas at Austin - Austin, TX

Bachelor of Science in Computer Science

University of Maryland

Electrical Certificate of Competency

Delaware County Community College - Media, PA