

# Daniel J. Baker

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## CAMPUS:

318C S. Burrowes St.  
State College, 16801  
914-548-7037

## PERMANENT:

87 Harris Road  
Katonah NY, 10536  
914-548-7037

## OBJECTIVE:

To obtain a position in the architectural engineering field with a professional, experienced team

## EDUCATION:

### **Candidate for Bachelor of Architectural Engineering, May 2007**

The Pennsylvania State University, University Park, PA, 16802  
An ABET Accredited Program  
Cumulative GPA of **3.0 on a 4.0 scale**

#### **Relevant Coursework:**

Building Construction Engineering

- planned project supervision, inspection of architectural and structural operations, coordination of trades
- Building Industry
- owner/designer responsibilities, documents, bidding procedures, estimating, project management

Architectural Building Materials

- investigated structural and architectural use of building materials

MEP Construction Engineering

- focused on the construction of mechanical, electrical, and plumbing systems; trade coordination

Organizational Behavior and Design

- acquired concepts, theories, and methods of managing people and designing organizations

Basic Design and Research of Architecture

- formulated multidimensional design skills, developed logical visual models

Strength and Materials with Design

- studied axial stress & strain, torsion, stresses in and deflection of beams, and combined stress

Fundamentals of Electrical and Illumination Systems

- designed concepts for electrical and illumination systems in modern buildings

Fundamentals of Heating, Ventilating, and Air Conditioning

- principles/engineering procedures for the design of heating, ventilating, and air-conditioning systems

Sustainable Building Design-Montana

- Building in Montana with the Cheyenne tribe, educating on sustainable building

## COMPUTER SKILLS:

**AutoCAD 2005:** basic skills

Computer Programming for Engineers Using **C++** and **Matlab**

## WORK

### EXPERIENCE:

**Schimenti Construction Company** – Mt. Kisco, NY – Estimating & Project Management Assistant

- Worked for a General Contractor outside of New York City in a variety of duties including: Estimating take-offs, Subcontractor relations, pre-bid information, and computer databases

**RDC Electric** - Bedford Hills, NY - Electrician Assistant

- Spliced and wired residential housing's electrical work
- Learned materials and methods to be effective in working alone

## ACTIVITIES & SKILLS:

**ISV (International Student Volunteers)**

- Volunteered in Costa Rica building concrete homes for locals in need

**Penn State Rugby**

- Member of Penn State Rugby Division 1 team, participated full-time for 4 seasons

**Thon 2004-2006**

- Member of Springfield Thon 2004-2006, an independent fundraising group for Cancer research