

University Address:  
415 W. College Ave. Apt. #208  
State College, PA 16801

# J. David Maino

maino@psu.edu

913.961.1658

Permanent Address:  
3200 W. 121<sup>st</sup> Terr.  
Leawood, KS 66209

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**Objective:** To obtain a permanent position in lighting and electrical systems design.

**Education:** **The Pennsylvania State University** – University Park, PA  
Major: Architectural Engineering (Lighting and Electrical Systems Design)  
Degrees: Master and Bachelor of Architectural Engineering  
Graduation date: May 2006      Current cumulative GPA: 3.62

**Experience:** **Integrated Design Associates** – Santa Clara, CA

**Electrical Internship**

May 2005 – August 2005

- Designed daylight systems for commercial and educational facilities
- Managed small and medium size projects alone and under various engineers
- Participated in site visits to examine existing conditions
- Designed electrical systems and fire alarm systems for various building types
- Created Excel program to expedite fire alarm system design
- Presented information about cogeneration and Radiance

**Envision Advantage, LLC.** – Brentwood, TN

**Mechanical/Electrical/Plumbing Internship**

May 2004 – August 2004

- Calculated electrical and HVAC loads using Dapper and CHVAC programs
- Designed and laid out lighting and mechanical systems for various types of buildings in CAD
- Sized feeders, branch circuits, panel boards, diffusers, condensers, and air handlers
- Contributed to group design charettes, meetings, and problem solving sessions
- Created and edited lighting, electrical, mechanical, and plumbing drawings in CAD

**Giffin Interior & Fixture, Inc.** – Bridgeville, PA

**Architectural Millwork Internship**

May 2003 – August 2003

- Created and edited shop drawings for a variety of types of millwork
- Implemented new estimating software (TakeOff), and taught estimators how to use it
- Maintained company web site (<http://www.giffininterior.com>)

**The Hillier Group** – Sprint World Headquarters project in Overland Park, KS

**Architectural Internship**

November 1998 – August 2001, May 2002 – August 2002

- Punch-listed and back-punched buildings with the architects and alone
- Edited and red-lined shop drawings (millwork, steel, stone, etc.) for review by architect and consultants
- Wrote and prepared documents for issue (Supplemental Instructions, Owner Change Requests, Construction Change Documents, etc.)
- Learned new CAD program (MicroGDS) to assist in the creation of CAD drawings

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**Thesis:** **Building:** Tahoe Center for Environmental Sciences  
**Location:** Incline Village, NV  
**Website:** <http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/jdm341/>  
**Function:** Research and classroom facilities

**Notable Features:**

- LEED Platinum
- Photovoltaics
- Solar hot water heating
- Radiant floor and ceiling panels
- Microturbine cogeneration unit
- Displacement ventilation
- Chilled beam induction ventilation
- Central daylit solarium



**Computer Skills:**

**CAD:**

- AutoCAD
- Radiance
- AGI 32
- 3D Studio Viz
- Dapper
- MicroGDS
- CHVAC
- Maya

**Other:**

- Debian GNU/Linux
- Adobe PhotoShop, InDesign, Acrobat
- Corel Photopaint
- Microsoft Office (Word, Excel, PowerPoint, FrontPage)
- OpenOffice.org (Writer, Calc, Impress)
- Shell scripting – BASH, CSH

**Activities:**

- President Illuminating Engineer Society (2005 – present)
- Illuminating Engineer Society (2001 – present)
- Architectural Engineering Envoy (2003 – present)
- Go Club (2004 – present)
- Pride of the Lions basketball pep band (2001 – 2002)
- Recreational Soccer Team (2001 – 2003)

**Honors:**

- IALD Trust Fund Scholarship
- National Society of Collegiate Scholars
- Schreyer Honors Scholar
- Phi Alpha Epsilon – Architectural Engineering honors society

**References:** Available upon request

**Portfolio:** Available upon request: digital media or hard copy prints