

## Christopher Karkowsky Jr.

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**Objective:** To seek an entry level position in fields relating to computer engineering.

### Education:

**Pennsylvania State University- The Behrend College** Class of 2010  
Bachelor of Science Computer Engineering  
Completed in 4 years (8 semesters)  
IEEE Member

**Seneca Valley High School** Class of 2006  
Graduated with Honors

### Technical Skills and Coursework:

**Programming Languages-** Embedded C, C++, Assembly, VHDL, Java

**Coursework-** Digital Design (Focus on FPGA), Embedded Systems, Operating Systems, Data Structures and Algorithms, VLSI, Computer Networking, Microprocessors, Computer Architecture, Project Management, Circuit Design, Technical Writing, Object Oriented Design.

### Projects:

**McQ Unattended Ground Sensor-** Senior design project for McQ Incorporated. Project specifications included using FPGA technology to monitor incoming signals, implementing a Fast Fourier Transform algorithm, threshold detection, and power minimization.

**Embedded Design Project-** Implemented a fully functional Playstation controller, capable of interacting with the Playstation 2 Video Game System, using a Microchip. 3<sup>rd</sup> place in class competition.

**Paint Program-** A paint-type program constructed using Java GUI.

**Parity Checker-** Used the VLSI Magic Software in the Linux environment to construct a ground-up fully functional and tested 5-bit parity checker.

### Work Experience:

**System One** June 2010- Present  
Contracted to the Westinghouse Electric warehouse to help increase order output by 33%.  
Teamwork, communication skills, and organization are key.

**North Park Lounge Deckhouse** April 2005 - August 2007  
Took on many responsibilities in food preparation, opening and closing a restaurant kitchen, customer satisfaction, and teamwork.

**References Available Upon Request**