

# AARON PAVKOV, PE

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www.aawaken.com

Engineering excellence.  
Passionate design.  
Customer focus.  
**CMU MPD**

## EDUCATION

### Carnegie Mellon University

Masters in Product Development (MPD)  
May 2009

B.S. in Mechanical Engineering  
Minor in Engineering Design  
May 2002

## SKILLS

### Design

Product Design  
Interaction Design  
Adobe CS3

### Engineering

Rapid Prototyping  
Design for Manufacture  
Pro/ENGINEER  
ANSYS

## AWARDS

### U.S. Patent

Cargo Storage Device for a Vehicle  
Patent No. 6733060

### Professional

Certified Professional Engineer (PE)  
Paper Co-Author, "Effect of Internal  
Fluid on a Pressure Vessel"

## EXPERIENCE

### Mine Safety Appliances Company

Design Engineer, Supplied Air Respirators

June 2008 – Present

Collaborated with new product development teams.  
Created conceptual models and prototypes.  
Managed project vendors, personnel and budgets.  
Conducted mechanical testing of product designs.

### NuVision Engineering, Inc.

Senior Engineer

June 2006 – May 2008

Analyzed next-generation nuclear reactor components.  
Prepared written reports and verbal presentations.  
Mentored new-hire mechanical engineers.

### Freelance Web & Graphic Design

www.aawaken.com

Sept 2005 – Present

Designed websites, graphics, and branding for clients.  
Developed print/email/internet marketing campaigns.  
Programmed in (X)HTML, PHP, CSS, some MySQL.

### O'Donnell Consulting Engineers, Inc.

Engineering Associate

June 2002 – May 2006

Worked with clients to define project needs and scope.  
Analyzed and redesigned a wide variety of products.  
Offered engineering support for expert witness testimony.

### Ford Motor Company

Collegiate Product Development

Spring 2002

Developed concepts for vehicle interior features.  
Collaborated and presented in multi-disciplinary teams.

### Philips Electronics of North America

Engineering Intern, Lighting Division

Summer 1999

Researched cost-saving steps for manufacturing.  
Developed manufacturing specification database.