
Peter Jang

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Education

2007-09

Master of Education, Secondary & Continuing Education

University of Illinois at Urbana Champaign, GPA 3.90

2002-05

Master of Science, Mechanical Engineering

University of Illinois at Urbana Champaign, GPA 3.90

1998-02

Bachelor of Science, Mechanical Engineering

University of Illinois at Urbana Champaign, GPA 3.81

Graduated with highest honors

Experience

2008-14

High school teacher at Rudy Lozano Leadership Academy

Taught math (algebra, financial literacy, statistics) and science (physics, biology)

2013 Mathematics department head, designed and managed department goals

2012 Technology coordinator, support and research for new feedback system

2012 Designed and ran robotics/engineering workshop for high school teachers at NEIU

2010 Designed and ran calculator robotics workshop for NEIU iMathination Conference

2009 Ran a professional development workshop on standards based grading ([video](#))

2005-07

Engineering consultant at Roh Square Consulting

Optimization of paper manufacturing process using linear programming

Created optimization routines in Excel with Excel user interface for scheduling paper jobs

Worked with Georgia-Pacific factory workers in Muskogee, Oklahoma

Worked with Georgia-Pacific executives in Atlanta, Georgia

2002-05

Research assistant at University of Illinois

Designed optimization routines for 2D and 3D tool-paths for CNC manufacturing

2005 Published 2D tool-path optimization research in ASME journal ([link](#))

2004 Presented 3D tool-path optimization research in California ASME conference ([link](#))

Key Skills

Computer software

Microsoft Excel (data analysis, pivot tables, macros, Excel VBA programming)

PowerPoint (graphic design), Word, Windows/Mac/Linux

Computer programming

Python, C, C++, VBA, VBA.net, Matlab, HTML, Javascript

2006 Created freeware AvsP for video editing, translated into over 10 languages ([link](#))

2007 Created homebrew application DSNotes for the Nintendo DS ([link](#))

Interpersonal skills

Taught high school students for 5+ years, designed workshops for teachers and administrators, bridged needs of executives and factory workers as consultant
