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EDUCATION

Ph.D., Electrical Engineering: *University of Utah*, Completion in August 2006
Bachelor of Science Electrical Engineering: *University of Utah*, June 2002
Curriculum emphasis: *Electrodynamics, Physics of Nuclear Magnetic Resonance, Microfabrication, Numerical solutions of partial differential equations, Microscale thermodynamics and fluid flow properties, and engineering leadership.*
CAD & FEA: *AutoCAD, Ansys, Fluent, Matlab, FEMM.*
Programming experience: *C, C++, Matlab, Excel, Maple.*

EXPERIENCE

IGERT Fellow, **University of Utah**, August 2002 - Present

- Research and design of robotic components

University Teaching Assistant, **University of Utah**, September 2005 - Present

- Develop curriculum for a new microfabrication lab course
- Design and fabricate silicon based Solar Cell

Director of Research, **Pageant Technologies Inc.** November 1999 – February 2002

Engineer I, **University of Utah**, July 1998 – October 1999

Design Engineer, **Bourns Microelectronics**, November 1996 – June 1998

Research/Teaching Assistant, **University of Utah**, September 1994 – September 1996

Software Engineer, **Kinkos Data Center**, August 1995 – November 1996

Production/Efficiency Analyst, **Hunter Douglas**, March 1993 – April 1995

RESEARCH

PATENTS

United States Patent 6,249,039 June 19th, 2001
Integrated inductive components and method of fabricating such components

United States Patent Application 10/039,296 October 19th, 2001
Non-Volatile Magnetic Memory Device

PERSONAL REFERENCES

Dr. Bruce Gale, Supervisory Professor
University of Utah Mechanical Engineering Department
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David Chang-Yen Ph.D., Colleague
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