

Ben Axelrod

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Summary: Computer scientist and mechanical engineer with a lifelong interest in robotics and relevant work experience.

Experience: CoroWare Technologies, Inc. Redmond, WA / Atlanta, GA
Robotics Engineer: August 2007 - Present
Contributed to the design of a new robot platform. MSRS contract work, .NET Remoting, WCF, reverse engineered DssNewService.

Microsoft Redmond, WA
Intern Software Developer: May – July 2006
Wrote the majority of the Lego NXT, fischertechnik, and text-to-speech services for Microsoft Robotics Studio. Also contributed heavily to the generic robot data contracts.

Iguana Robotics, Inc. Champaign, IL
Mechanical Engineer / Robotacist: May 2003 – June 2004
Intern Mechanical Engineer: June – August 2002
3D CAD robot mechanical design, designed robot power/ sensor systems, PIC programming, stereo-lithography, assistive devices, some electrical engineering

Syracuse University Syracuse, NY
Senior design project team leader: August 2002 – May 2003
Created an award-winning 8-legged hobby servo driven robot

Paper Machinery Corp. Milwaukee, WI
Intern Mechanical Engineer: July – August 2001
Designed a set of 12 cams for a high speed cup machine, cost-cut an oil pan.

Education: Georgia Institute of Technology, College of Computing Atlanta, GA
MS in Computer Science. May 2007. GPA: 3.72
Specialization: robotics and intelligent systems. Research focus: mobile robots, multi-agent systems, rescue robots, and distributed sensor networks.

University of Illinois at Urbana-Champaign Urbana, IL
Non-degree-seeking CS undergraduate student in preparation for graduate work.
September 2004 – May 2005. GPA: 3.51

Syracuse University, L.C. Smith College of Engineering Syracuse, NY
BS in Mechanical Engineering. May 2003. GPA: 3.81 (Summa Cum Laude)

Skills: Computer Skills: Windows, Linux, C#, .NET, C / C++, Java, OOP, HTML, Visual Studio, Eclipse, Emacs, gdb, csh/bash, some Scheme, and Assembly.

Engineering Skills: AutoCAD, VariCAD, Alibre, Solidworks, Mastercam, EAGLE, Maple, and Matlab. Familiar with Ansys, COSMOSXpress, and Fluent. Passed the FE exam. General machine shop skills, manual end mill, CNC end mill.

(Continued on reverse)

Advanced Coursework: Embedded Systems, RTOS, AI, Machine Learning, Genetic Algorithms, Distributed Systems, Dynamics & Control, Robotics, Computer Vision

Microcontrollers & Robotic Systems: Segway RMP, Kuka KRL/EKX, PIC, Atmel ATmega16, Basic Stamp, Lego Mindstorms, GNATs, Sony Aibo, Johuco Phoenix II

Honors:

IPRE Research Fellow	December 2006
ASME George Farnell Senior Design Award	May 2003
Bernard Wood Achievement Award in Mechanical Engineering	May 2003
Harry Blatt Memorial Scholarship in Applied Science	Spring 2002
Tau Beta Pi member	since Spring 2002
Kin Nee Tong Award for Outstanding Academic Achievement of a First Year Engineering Student	May 2000
Lego Mindstorms Novice Hall of Fame	Jul. 1999 and Dec. 2000

Activities: Sculpture, claymation & video production, web design, karate (black belt), in-line skating, rock climbing, and scuba diving.