

Alec Berntson

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- Education** **Cornell University**, College of Engineering, Ithaca, NY
Masters of Engineering in Computer Science Expected May 2007
Bachelor of Science in Computer Science Graduated Jan 2007
GPA 3.56 Cum Laude, Dean's List
- Smithtown High School**, Smithtown, NY
Top 1% of class of 620 Graduated June 2003
- Objective** To obtain a fulltime Program Manager position in the field of computer science.
- Awards** • Microsoft Technical Scholarship (2006) • Eagle Scout (2002)
 • Cornell Presidential Research Scholar (2003) • Intel Science Talent Search Semi-Finalist (2003)
 • McMullen Dean's Scholar (2003) • Siemens Westinghouse Regional Finalist (2002)
- Publication** **A. Berntson, et. al. Application of a Neural Network in High-throughput Protein Crystallography. In *J. Synchrotron Rad.* 10, 445--449 (Refereed Journal)**
- Experience** **Program Manager Intern** May 2006 – Aug 2006
 Microsoft Corporation, Redmond, WA
Investigated additional fields of use for the Taiko Shell framework • Researched and prepared a Concept Value Test for the investigation of Mobile PCs in the household • Participated in Vista+1 planning efforts as a member of the Firewalker and Gamera task forces.
- Program Manager Intern** Sept 2005 – Dec 2005
 Microsoft Corporation, Redmond, WA
Designed, managed and drove the Windows Email Gadget to Code completion and successful integration into Windows Vista • Designed and managed the Windows Calendar gadget, which will be completed in an out-of-band release • Updated, reviewed and delivered the Windows Mobility Center whitepaper, code samples and tutorial to the OPK DVD • Investigated and closed nearly 30 Spec bugs for Windows Mobility Center.
- Computer Science Teaching Assistant** Jan 2004 – present
 Department of Computer Science, Cornell University
Teach two 50 minutes sections a week for COMS 211, covering basic computer science principles and data structures • Grade projects and exams • Hold weekly office hours to assist struggling students
- Student Research Assistant** Summer 2004
 Science Undergraduate Laboratory Internship Program, Brookhaven National Laboratory, Upton, NY
Developed software for the X6a beamline at the National Synchrotron Light source to analyze protein crystallography diffraction images for Bragg peaks, split peaks, ice rings and x-ray beam center • Implemented a fully featured graphical interface in Java.
- Server** Jan 2002 – Aug 2004
 Boulder Creek Steakhouse, Smithtown, NY
- Student Research Assistant** Summer 2003-2002-2001
 National Synchrotron Light Source, Upton, NY
Co-Authored a paper exploring the idea of using artificial intelligence to determine the quality of protein crystallography diffraction patterns • Implemented a proof-of-concept version of the software in C++ • Presented findings at the National Synchrotron Light Source's Summer Lunch series and a poster at the 6th Summer Session of the New York Structural Biology Group and the American Crystallographic Association meeting.
- Counselor** Summer 2000
 Yawgoog Scout Reservation, Rockville, RI
- Activities** PADI Certified Scuba Diver • Cornell Presidential Research Scholars • CPRS Peer Advisor • CPRS Advisory Board
 • Cornell Undergraduate Research Board • American Computer Science Association • Cornell Red Carpet Hosting Society • Weight Lifting • Lap Swim • Cooking • Water and Downhill Skiing • Windsurfing • Cooking • Wines