

Nick Martin
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Professional Objective

To design and implement interesting and worthwhile systems.

Core Abilities

- Possess a broad range of skills in a variety of technical fields.
- Adapt quickly and effectively to new technical and social environments.
- Work well under pressure and high load.

Technical Skills

- **System Administration:** Extensive experience with a wide range of Unix platforms including Solaris, GNU/Linux, and BSD as well as familiarity with Windows and MacOS. Extensive experience with various Unix services including AFS, Kerberos, DNS, sendmail, and Apache.
- **Software Development:** Familiar with development in a large number of languages including C, C++, Java, LISP, Scheme, Perl, various assemblies, SQL, HTML, XML/XSL, Matlab, and LaTeX. Experience with the Unix/GNU tool-chain: autoconf, make, gcc, gdb, emacs, etc, as well as development on Windows, MacOS, and PalmOS.
- **Embedded System Design:** Experience with 8051 family microprocessor design in C and assembly. Also familiar with VHDL, programmable logic, a wide range of digital and analog circuits, motor control, and various debugging tools such as JTAG boundary scan interfaces and digital logic analyzers.
- **Mechanical System Design:** Proficient with common machine shop tools including mill, lathe, drill press, sander, press, break, etc. Familiar with CAD/CAM tools including CNC mills/lathes, G-code, SolidWorks, and ProE.

Education

Massachusetts Institute of Technology, 1999–2003, Cambridge, MA
Bachelor of Science in Electrical Engineering with a minor in Mechanical Engineering.
Overall GPA: 4.6 / 5.0

Subjects: Structure and Interpretation of Computer Programming (6.001), Signals and Systems (6.003), Computation Structures (6.004), Analog Design Laboratory (6.101), Digital Systems Laboratory (6.111), Microcomputer Project Laboratory (6.115), Modeling, Dynamics, and Control (2.003, 2.004), Feedback Systems (6.302), Design and Manufacturing (2.007), Differential Equations (18.03).

Lick-Wilmerding High School, 1995–1999, San Francisco, CA
Overall GPA: 4.1 / 4.0. (Weighted)

Employment History

Technology Education Research Center, September 2002–June 2003, Cambridge, MA
System Administrator

Technology Education Research Center, June 2002–August 2002, Cambridge, MA
Lead Developer: Tracks
Development of educational games for PalmOS

MIT Information Systems, June 2000–June 2003, Cambridge, MA
Athena Server Operations Watchmaker
System administration for Project Athena, MIT's distributed computing environment.

MIT Rapid Autonomous Machining Lab, January 2001–June 2001, Cambridge, MA
Research Assistant
Designed and implemented an interface to a computer controlled milling machine.

Leadership Positions

MIT Student Information Processing Board, 2000–Present, Cambridge, MA
General Executive Board Member, Treasurer

Alpha Chi chapter of Alpha Phi Omega, 2000–Present, Cambridge, MA
Treasurer, President
National Co-ed Non-residential Service Fraternity

Other Interests

- Biking. Cycled from Boston to San Francisco in the Summer of 2003.