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Objective

No longer searching for a job.

Education

B.S. in **mathematical science**, **Carnegie Mellon University**, May 2006

B.S. in **computer science**, Carnegie Mellon University, May 2006 (dual degree, University honors)

Relevant coursework in operating systems (15-410), compiler design, algorithm design and analysis, combinatorics, linear algebra, graph theory, and group theory

Courses in Spanish for six and a half years (1997–2003), and in Chinese for two and a half years (2002–2004)

IB Diploma from Richard Montgomery H.S. in Rockville, Md. (2002); National Merit Finalist; Sixth Subject project in computer science: a compiler for a small programming language

Skills

Familiarity with applications such as Excel, PowerPoint and MSVC, as well as programming tools such as `grep`, `diff`, and `man`. Have used CVS, SourceSafe, and SourceDepot versioning systems

Extensive familiarity with the **C** and **C++** programming languages and the TI-83 graphing calculator

Varying degrees of familiarity with numerous other programming languages, including C#, Java, Matlab, Perl, Ocaml, SML, Pascal, METAFONT, and APL

Familiarity with Windows, MS-DOS, and GNU/Linux, including deep knowledge of 80x86 assembly language. Working knowledge of Mac OS X and other Unix operating systems and shells

Proficiency with typesetting and layout in \LaTeX and Adobe InDesign

Conversant in Spanish; some knowledge of Chinese

Work Experience

Internship at **Microsoft**, May–August 2005, in the Visual Studio Tools division. Designed and implemented a syntax-highlighting editor in C# using the VSIP libraries

Internships at **Spatial Integrated Systems, Inc.**, June–August 2003 and May–August 2004. Wrote utilities, driver code, camera calibration and feature detection software using Matlab, C, and C++ (<http://www.sisinc.org/>)

Worked at *The Tartan*, Carnegie Mellon's student newspaper, on copy staff, October 2002–May 2006; as copy manager, 2003–2005

Volunteered on CMU's **Robocup** AIBO soccer team (a large C++ project), 2002–2003

Activities and Interests

Juggling, academic quiz bowl, crossword construction; inactive member of CMU KGB

Boy Scout up to Life rank; earned membership in the Order of the Arrow

Interests in relationships between information and data, including programming language design, program generation, machine vision, linguistics, typography, and elegant algorithms in all fields

References available upon request.