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Objective

Not currently searching for a job.

Work Experience

Working at **Green Hills Software**, August 2006–present, in the compilers group. Extensive familiarity with the **Edison Design Group** C++ front-end and the Dinkumware standard template library. Large C and C++ codebase (<http://www.ghs.com/>)

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

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), compilers, algorithms, and combinatorics

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 common applications (Excel), programming tools (grep, man), and version control systems (Subversion, CVS)

Deep knowledge of the **C** and **C++** programming languages, x86 and x86-64 **assembly language**. Familiarity with PowerPC, ARM, and MIPS assembly languages

Deep knowledge of the Green Hills C and C++ toolchains and debugger

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

Proficiency with typesetting and layout in (L^A)T_EX and Adobe InDesign

Conversant in Spanish (six years of coursework 1997–2003); minimal knowledge of Chinese (five semesters 2002–2004)

Activities and Interests

Juggling, board games, quiz bowl, crossword construction, etymology, combinatorial game theory

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, linguistics, typography, and elegant algorithms in all fields

References available upon request.