Resume for Arthur O'Dwyer

Home Address: 16733 Frontenac Terrace
Derwood, MD 20855-2051
Home Phone: (301) 977-3372

College Address: SMC 4783
Carnegie Mellon University
Pittsburgh, PA 15230-4783
College Phone: none over the summer

Email: *ajo@andrew.cmu.edu*

Objective

To gain real-world experience that may be applicable to future career choices

Summary

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

Graduated from high school with an IB diploma and AP credit in calculus, computer science, and Spanish

Rising junior at Carnegie Mellon University (CMU)

Member and current secretary of the CMU College Bowl academic competition team

Worked freshman year with CMU's Robocup team, a large C++-based project, and have also created several moderately sized but non-trivial projects of my own (*http://www.contrib.andrew.cmu.edu/~ajo/*)

Participated in the USA Computing Olympiad's programming competitions through the 2001–2002 school year, and was named to the USACO "All-American" programming team in 2002

Have studied both Spanish and Chinese at the college level

Extensive interest in applications of computer science theory and information processing, including language design, program generation, image manipulation, and linguistics

Education

IB Diploma from Richard Montgomery High School in Rockville, MD (2002)

National Merit Finalist, 2002

AP credit in calculus, computer science, Spanish, U.S. history, and physics

IB Sixth Subject project in computer science: a compiler for a small programming language

Currently enrolled in the Mellon College of Science at Carnegie Mellon University, as a math major; considering a double major or minor in computer science (2006)

Have taken courses in Spanish for six and a half years (1997–2003), and in Chinese for two years (2002–2004); also courses in linear algebra, set theory, combinatorics, systems programming, and functional programming

Spring 2004 semester final QPA: ???   2002–2004 cumulative QPA: 3.88

Skills

Extensive familiarity with the C programming language and the TI-83 graphing calculator

Familiarity with several other programming languages, including C++, Java, Pascal, SML, Matlab, and Perl

Familiarity with MS-DOS and Windows, including knowledge of 8086 assembly language. Working knowledge of Linux and Unix operating systems and shells

Working knowledge of programming tools such as `grep`, `diff`, and `man`

Ability to typeset text and mathematics in (LA)TEX

Ability to converse in Spanish, correct grammar, and juggle

Work Experience

Have worked (for pay) as a copy editor at *The Tartan*, Carnegie Mellon's student newspaper, since October 2002

Worked in a small group on CMU's Robocup AIBO soccer team, involving the handling of a large amount of C++ code, 2002–2003.

Worked, June–August 2003, at Spatial Integrated Systems, Inc., 7564 Standish Place, Suite 123, Rockville, Maryland 20855 (*http://www.sisinc.org/*). Wrote small tools using Matlab, C, and C++; tested camera arrays

References available upon request.

This document typeset in TEX by Arthur O'Dwyer
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