

David Charles Haley

(Current as of July 1st 2007)

Contact Information

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EDUCATION

University

- Fall 2006 – present: MS in Computer Science at Stanford University.
- Fall 2003 – present: B.S. in Computer Science (with Honors in Logic) and a B.A. in Philosophy. Honors thesis advisor: Prof. Michael Genesereth.
- Fall 2002 – Spring 2003: American University of Paris.

High School

- Graduated July 2002 from the Ecole active Bilingue section Etoile, Paris, France. Graduated with French Baccaureate, Scientific Section (with Honors). Valedictorian.

EXPERIENCE

Research, Software Engineering

- Jun. 07 – Sep. 07: software engineering intern at Second Floor Systems, Palo Alto, CA.
 - Writing E-Commerce modules in Lisp for manufacturer-to-retailer data integration software.
- Jul. 07: attending SARA workshop in Whistler, Canada; hosting the third annual General Game Playing competition at the AAAI conference in Vancouver, Canada with the Stanford Logic Group.
- Jun. 06 – Sep. 06: software engineering intern at D. E. Shaw & Co., New York office.
 - Expanded key software by embedding Perl as an extension language, in addition to maintaining compatibility with existing Tcl interpreter.
- Mar. 04 – Jun. 06: part-time research engineer for the MURI-SCoT automated tutor project at Stanford University's CSLI (Center for the Study of Language and Information).
 - Added interactivity to a C++ GUI interface for displaying and manipulating a 3d model of a ship.
 - Wrote Perl/Java for data analysis and transcript preparation.
 - Authored software demo video using video capture and Premiere
 - Java development for tutor reasoning and communication with display.
 - Traveled to US Naval Academy at Annapolis Feb. 05 to deliver, install and prepare software experiment.
- Aug. 03: research assistant to Dr. Simon Holland of the Open University (Milton Keynes, UK.) Wrote interface extension to *PortMidi*, for communication between SmallTalk and C code. Wrote small C driver for SmallTalk management of serial devices (e.g. a Garmin GPS device).
- Jan. - Jun. 03: programmer for A.U.P. Computer Center. Worked on various projects, such as extensions to *WebEvent*TM (a web-based calendar and events planner), modifications to the *BlackBoard*TM system, faculty database (written in Perl, Perl and PHP, respectively.)

Leadership, Organization

- Academic years 2005-06 and 2006-2007:
 - Head Peer Academic Coordinator: academic advising for ~75 undergraduates in Escondido Village.
 - Peer Mentor: one-on-one academic advice interaction with 8 Stanford freshmen.
- Academic year 2004-05:
 - Community Associate: planning, logistics for events for ~80 undergraduates living in E.V.

Teaching

- Teaching Assistant; all at Stanford University:

- Spring 2006-07: CS 227B: *General Game Playing* (Prof. Michael Genesereth). Wrote and graded assignments; held office hours for 11-person project-based class. Developed framework for a general game player released to the general public.
- Winter 2006-07: CS 103A: *Discrete Mathematics for Computer Science* (Prof. Maggie Johnson). Graded homework, held weekly sections and tutoring for class of 80. Gave several lectures.
- Fall 2006-07: CS 157: *Computational Logic* (Prof. Genesereth). Wrote and graded problem sets and exam; held office hours for class of 50 students. Gave guest lecture on General Game Playing.
- Summer 2005: one-on-one course tutoring for Stanford CS 106 Introductory Programming courses.
- Jan. – Mar. 04: Taught for the Stanford CS 106 Introductory Programming courses, Win. 2004. Graded assignments and exams, led a weekly discussion section for ~15 students. One-on-one tutoring.
- Jan. – Jun. 03: Private tutoring for an introductory statistics class: AUP Math 120.

Honors Thesis

- Jul. 05 – present: Stanford Logic Group (logic.stanford.edu). Thesis in Automated Logical Reasoning.

SKILLS

Programming

- 13+ years of experience. Developed with: C++, C, Perl, PHP, VB, Java, Lua... Some Lisp, Prolog.
- Developed web and database (MySQL, Oracle) applications; also used OpenGL and OpenInventor 3D graphics libraries.
- Experience on Windows and *nix platforms. Tools: gcc suite, Visual Studio, Eclipse, CVS, bzz, etc.

Web Design, Multimedia

- Experienced with (raw) HTML, CSS; Microsoft Front Page, Macromedia Dreamweaver.
- Experienced with Macromedia Flash, Director; Adobe Photoshop, Premiere.

General Computer Skills

- 16+ years computer experience: Unix/Linux, Microsoft (DOS/'95/'98/2000/XP), Mac OSX
- Experienced with software packages: L^AT_EX, MS Office, OpenOffice, Adobe, Macromedia...

Spoken Languages

- Bilingual English and French. Working knowledge of Spanish; six years of Latin.

EXTRA-CURRICULAR, NON-PROFESSIONAL

Programming

- Aug. 2003 – present: Working with team on BabbleMUD, a multi-lingual, innovative and powerful 'multi-user dungeon' game server. Very active in the general MUD development community.
- Dec. 2001 – present: Head developer for *Legends of the Darkstone*, an online text-based 'multi-user dungeon' game. Authored 'web-apps', such as a player forum tied to game's account system.
- Apr. 1997 – Jul. 2001: Head programmer for game editing club. Programmer for web-based pages and scripts, such as a fictional bank account system.

Debate

- Sept. 2002 – Jun. 2003: AUP debate team. Member of five-person team that won the national English-language, British Parliamentary debate championship of France.
- Sept. 2000 – Jul. 2002: treasurer then President of high school debate club (won a Harvard Model Congress Europe "Exceptional Performance" award)

Other

- Sept. 2004 – present: square-dancing (Stanford Quads) (APD-PLUS level)
- Aug. 2005 – present: beginning social dancer (esp. box & rotary waltz, tango)
- PADI Advanced Open Water diving certificate (+ Nitrox & Wreck Diving specialty courses)
- Born US citizen, acquired additional French citizenship in 2002.