

Steven H. Gardiner

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Education

Carnegie Mellon University (Pittsburgh, PA) MS in Language Technologies anticipated Fall 2008
GPA: 3.80 / 4.0 (Major GPA: 3.93)

Carleton College (Northfield, MN) BA with a major in Mathematics and Studio Art *magna cum laude*
Fall 1994 GPA: 3.59 / 4.0 (Major GPA: 3.78)

Universidad de Concepción (Concepción, Chile) Study Abroad with a major in Art Fall 1996

Research Experience

RADAR Space/Time Carnegie Mellon (Pittsburgh, PA) Summer 2006-present with Eugene Fink
Investigation of scheduling under uncertainty in the context of a conference-planning scenario;
part of the RADAR project (Reflective Agent with Distributed Adaptive Reasoning)

Computational Virology Project Carnegie Mellon (Pittsburgh, PA) Fall 2005-Fall 2006 with Andrew
Walsh and Roni Rosenfeld
Investigation of binding sites in protein structures; highly-conserved segments in protein amino
acid sequences

Industry Experience

Programmer/Analyst III Continuing Education of the Bar (legal publishing branch of the University
of California) (Oakland, CA) Fall 2001-Fall 2006
Worked with a team to implement an end-to-end single-sourced legal publishing system in XML
for use by nontechnical users, integrated with custom software for automated legal research

Independent Contractor Comnet, Inc. (Osaka, Japan) Spring 2001-Summer 2001
Designed and implemented an online shopping cart

Associate Software Engineer bigchalk.com (formerly Infonautics, Inc.) (Berwyn, PA) Fall 1998-
Fall 2000
Led a team of 4-10 developers in maintaining and refining a system for automated extraction
of news data from various feeds with various formats, as well as refining the system using
standards-based technologies

Teaching Experience

Tutor Carleton College Tutoring Services (Northfield, MN) Spring 1995-Summer 1998
Tutored undergraduate students in introductory and upper-level Math and Computer Science
classes on an individual basis and in a help-center.

Teaching Assistant Carleton College Math/CS Department (Northfield, MN) Spring 1995-Summer 1998
Graded undergraduate work in introductory Computer Science classes.

Presentations

Graphical Models Final Project Poster Session *Physical Network Models on Time Series Data*
November 2007

2006 Language Technologies Institute Student Research Symposium *Lengths of Antigen-Antibody Binding Sites across PDB Data* October 2006

Awards

2004-2005 Univ. of California Office of the President Scholarship Program UCOP Scholarship to study Artificial Intelligence strategies for enhancing automated legal research, culminating in a presentation to the development team 2004

Comprehensive Exercises in Studio Art Art Majors Senior Art Show; works of Small-Scale Metal Sculpture May 1998

Comprehensive Exercises in Mathematics Public Talk: *Tables, Chairs, and Beermugs: David Hilbert's "Foundations of Geometry"* October 1997

1995-1996 Carleton College Deans List 1996

Graduate Coursework

Language and Statistics I	Grammar Formalisms
Software Engineering for Information Systems	Grammars and Lexicons
Probabilistic Graphical Models	Statistical Machine Learning
Information Retrieval	Self-Paced Lab in NLP
Intermediate Statistics	Algorithms for NLP
Machine Learning	Knowledge Representation and Use in Computers

Skills

Programming Languages: Java, C#(.NET), Lisp, Prolog, Perl, C/C++, R/S, XSLT, *sh, Matlab, Scheme, lex/yacc (JFlex/CUP), JavaScript/ECMAScript

Publishing Technologies: L^AT_EX, XSL-FO

Database Technologies: SQL, Hibernate, Oracle, JDBC, ODBC, BerkeleyDB, MS SQL Server

XML Technologies: XML, XSLT, XPath, XSL-FO, XHTML, XML Schema, Schematron, XInclude, SGML

Human Languages: English (Native), German (Proficient), Spanish (Intermediate), Bulgarian (Intermediate)