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EDUCATION

- University of Wisconsin, Madison, WI.** (Present)
PhD candidate in Computer Science
Awards: NIH Biotechnology Training Program (4 year fellowship).
- University of Wisconsin, Madison, WI.** (May 2001)
Masters of Science in Computer Science
- Cornell University, College of Arts and Sciences, Ithaca, NY.** (August 1997)
BA in Biological Science and Computer Science
Awards: Dean's Scholar grant, Dean's List and Gouverneur Foundation Scholarship (4 years).
- Curtin University of Technology, Bentley WA Australia.** (Spring 1996)
Study Abroad program.
- Gouverneur High School, Gouverneur, NY.** (June 1993)
Valedictorian with Honors Regents diploma.

RESEARCH
EXPERIENCE

- Research Assistant University of Wisconsin Madison, WI.** (February 2000 - Present)
Developing methods using supervised machine learning, statistical analysis and other techniques for identifying and characterizing genes from DNA-arrays.
- Research Assistant** (September 1999 - September 2000)
University of Wisconsin Madison, WI.
Developing a high-throughput computing environment using Condor for NMR structure determination programs such as dyana.
Awards: NIH Travel grant for a poster presentation at the XIX ICMRBS conference.

PROFESSIONAL
EXPERIENCE

- Bioinformatics Scientific Analyst (promotion)** (November 1998 - July 1999)
Bioinformatics Software Engineer (September 1997 - November 1998)
SmithKline Beecham, King of Prussia, PA.
Participated in the development of a web-based application used to perform gene discovery, functional assignment, and expression analysis. Developed java applets that accessed data sources via CORBA and present analyses of ESTs by visualizing sequences, characterizations and alignments. Part of a team involved in creating an interactive genome viewer used to discover novel genes.
Patent: Gadget: A Tabular Interface for Genome Browsing (pending)
Awards: SmithKline Beecham Bronze Impact Award.
- Service Professional Cornell Institute for Biology Teachers.** (September 1996 - August 1997)
Production of plasmids and analysis of DNA for Cornell Institute for Biology Teachers (CIBT).
- Research Assistant** (February - June 1996)
Genetica Biotechnologies, Tech Park, WA Australia.
Researched part of a design for a test kit for the detection of lethal pathogenic *C. Albicans* in patients with systemic infection. Utilized: PCR, Immunostaining, Nonradioactive Hybridization, Electroporation, DNA Extraction, Southern Blot, SDS PAGE, and microbiology techniques.
- Lab Technician Cornell Biotech, Ithaca, NY.** (March 1994 - December 1995)
Made media and solutions, maintain organization of laboratory, and assisted post-doctoral fellows with their research. Research involved the optimization of transformation using the BIO-RAD gene gun.
- Web Developer Proteome Inc., Boston, MA.** (Summer 1995)
Consulted in the installation and development of the web page. Modified C program to manage the yeast genome database for the web.
- Volunteer Web Developer** (January 1995 - March 1995)
Cornell Division of Biological Science, Ithaca, NY.
Assisted in the installation and development of biology department's web site.
- Computer Lab Supervisor Cornell Comstock Hall.** (August 1994 - December 1994)
Monitored and maintained the Macintosh and PC compatible computing facility.

TEACHING EXPERIENCE

Teaching Assistant (January - May 2003)
University of Wisconsin Madison, WI.
 Assisted Professor Jude Shavlik in a graduate level Machine Learning course. Assisted students at office hours, graded projects and homeworks.

Volunteer Java Tutor *University of Wisconsin Madison, WI.* (September 1999 - May 2000)
 Tutored students on Java programming methodologies.

Math Tutor *Curtin University, WA Australia* (March - June 1996)
 Tutored a college student in the area of mathematics.

Teaching Assistant (June - August 1994)
EXCEL Program Christopher Newport University, Newport News, VA.
 Teaching aide for hands-on science and computer technology. Created an interactive problem solving environment for students to learn about computers and communication.

Teaching Assistant (August 1994)
SITE Program at CEBAF, Newport News, VA.
 SITE is a program that teaches teachers methods for more effective teaching.

PUBLICATION

Ong, I. M., J. D. Glasner and D. Page, "Modelling Regulatory Pathways in *E.coli* from Time Series Expression Profiles", *Bioinformatics*, 18:241S-248S (2002), special issue based on the Tenth International Conference on Intelligent Systems for Molecular Biology (ISMB 2002), Edmonton, CA, August 2002.

CONFERENCES

NIPS in Vancouver, Canada, 12/2002
 ISMB in Edmonton, Canada: presentation of "Modelling Regulatory Pathways in *E.coli* from Time Series Expression Profiles" 8/2002
 UAI in Edmonton, Canada, 8/2002
 RECOMB in Washington DC, 4/2002
 ISMB in Copenhagen, Denmark: poster presentation of "Inferring Regulatory Pathways in E.Coli using Dynamic Bayesian Networks" 7/2001
 XIX ICMRBS in Florence, Italy: poster presentation of "High Throughput Application for Protein Structure Determination from NMR Experiments" 8/2000
 JavaOne Conference, 5/1999
 Molecular Biology Conference, 3/1999
 Edward Tufte Data Visualization Course, 2/1999
 Conference on Computational Genomics, poster presentation of "Designing Gadgets for Genome Browsing" 11/1998
 Genome Sequencing and Analysis Conference, 9/1998
 JavaOne Conference, 6/1998

SKILLS

Computer: Java, C, CORBA, JDBC, Perl, Pascal, SQL, UNIX, NT, Macintosh, HTML, matlab.
 Coursework: Machine Learning, Advanced Database Systems, Computer Vision, Introduction to Programming Languages and Compilers, Advanced Artificial Intelligence, Advanced Algorithms, Bioinformatics, Introduction to Database Management Systems, Introduction to Artificial Intelligence, Systems Engineering.
 Laboratory Techniques: DNA extraction, DNA purification, plasmid purification, Southern blot, acrylamide and agarose gel electrophoresis, gene cloning techniques, restriction enzyme mappings, PCR, immunostaining, electroporation, SDS-PAGE, Nonradioactive Hybridization, tissue culture experience, microbiology techniques and aseptic techniques.
 Language: Malaysian, Chinese, Spanish (4 years), Japanese (1 semester).

ACTIVITIES

Reviewer for ICML workshop, Bioinformatics and Journal of Bioinformatics and Computational Biology, SACM Social Chair, SACM TGIF Coordinator, Hooper's Sailing Club, EARS, Cornell Kids Club, Cornell Judo, Orientation Counselor, Supervisory Orientation Counselor, Cornell Red Carpet Society, Student Advisor.

REFERENCES

Available upon request.

CITIZENSHIP

United States.