

Margaret Mitchell

Telephone: 408-338-0266

resume@margaretmitchell.id.au
http://www.margaretmitchell.id.au

OBJECTIVE Use my analytical and computing skills solving challenging real-world problems.

EXPERIENCE ***Software Engineer***

Advertising.com (AOL)

September 7 2006 – present

Palo Alto, CA

Tech lead and software developer (C++ and MATLAB) in the Research and Development team. Led the development of infrastructure and monitoring projects to optimize targeting algorithms for display, search and mobile advertising.

- Contact point between engineering, research, business analysis and management teams for 10 concurrent projects. Guided communication and decision-making through conflict and sticking points.
- Developed infrastructure software and software for monitoring accuracy of prediction algorithms.
- Used understanding of R&D's algorithms and software to troubleshoot anomalies in ad display patterns.
- Oversaw software development practices.

Assistant Webmaster, iliveinsydney.com

Freelance

Jan 1 2005 – Dec 31 2006

Management, design, content creation and publicity.

Teaching Assistant, Associate Lecturer

University of New South Wales

February 1 1999 – May 31 2005

Sydney, Australia

Department of Computing, Associate Lecturer for 4 years.

- Led teams of up to 20 teaching assistants for Computing Courses.
- Lectures and presentations to audiences of up to 250.

Software Developer and Consultant

ConceptM

October 1 2000 – January 31 2004

Sydney, Australia

Coding (in C) a prototype mobile payment device.

EDUCATION Ph.D. Computer Science, Macquarie University, Sydney, Australia, 2005.

Thesis Title: On the Complexity of Creating Vertex Series Parallel Graphs from Directed Acyclic Graphs.

BSc Hons (1st Class), Computer Science, University of New South Wales, Australia, 1998.

BSc (Computer Science and Pure Mathematics majors), University of Sydney, Australia, 1997.

SKILLS AND BACKGROUND

- Computing background: Algorithms, coding, graph theory, computational complexity, machine learning.
- Basic theoretical knowledge of Hadoop (Cloudera Certified Hadoop Developer).
- Excellent presentation, communication, teaching and interpersonal skills. Demonstrated by presentations to audiences of up to 1000.
- Programming Languages:
 - Proficient: C++
 - Working knowledge: Unix shell, MATLAB, Perl, PHP, Haskell, Pascal, Prolog.
- Working knowledge of SQL.
- Computer operating systems used: Linux, Windows.
- Highly self-motivated with excellent organization skills.
- Strong problem solving skills, strong ability to understand concepts in depth.
- Polish native speaker. Two years of university level French study. An understanding of both Eastern European and Western cultures.

SCHOLARSHIPS AND AWARDS

- Australian Postgraduate Award, 1998 – 2001.
- Fellowship for the Automated Reasoning Project Logic Summer School, Australian National University, 1997.
- Dean's list for Academic Achievement, University of Sydney, 1996.
- Vacation Scholarship in Basser Department of Computer Science, University of Sydney, 1996.
- Vacation Scholarship in Department of Mathematics, Macquarie University, 1995.
- Member of Golden Key National Honour Society for Outstanding Scholastic Achievement and Excellence, Australia.