

RACHEL GREY

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EDUCATION

May 1999 Massachusetts Institute of Technology, Cambridge, MA
M.S. and B.S., Mechanical Engineering (5.0/5.0 graduate GPA)
Nov 2003 Dale Carnegie Business and Leadership Course
Sept 2004 Dale Carnegie Business and Leadership Course – team leader
Nov 2004 Sun Certified Programmer for Java 2 Platform 1.4
June 2007 Certified Personal Trainer -- National Academy of Sports Medicine

SKILLS

Java, C++, bash, SQL, XML, Swing, Oracle 10g, HTML, J2EE, MFC.
Especially strong documentation and communication skills.

EXPERIENCE

- August 2005 – present **Application Developer 3, Oracle (via ProfitLogic acquisition)**
- Released a major optimization engine refactor, making it into a scalable and distributed system for ProfitLogic's flagship product. We doubled its rate of throughput, which allowed the business to target larger retailers as customers, and completely replaced 19,000 lines of Java and XSQL code with 8700 lines of new Java code.
 - Improved and documented an internal tool used by the analytic division of the company for analytic parameter testing; improved both inter-team relations and the tool's output, so that the tool is now in regular use and generating feedback.
 - Led investigation into integrating the core ProfitLogic optimization module with a multidimensional database from another Oracle acquisition; successfully completed a prototype integrated system with full documentation (in C++ on Windows). Currently involved in designing a productized version of this and extending it to support AIX.
- July 2004 – August 2005 **Software Engineer, ProfitLogic**
- Developed a testing suite for the optimization engine central to all ProfitLogic products.
 - Headed up engine quality assurance for a major optimization engine release in fall '04.
 - Developed a new RMI-based interface with new features for interactive use of the optimization engine, which previously had only run in batch mode.
- June 1999 – July 2004 **Software Engineer 2, Charles River Analytics**
- Developed AI-related software in C++ and Java for Phase I and Phase II contracts under the Small Business Innovative Research program.
 - Wrote final reports, users' manuals, and developer documentation; gave presentations to clients.
 - Acted as lead software engineer on several contracts, including a long-term internal project in C++ from October 2000 through 2002. Significantly involved in design and evaluation of a belief network editor that was released commercially in fall of 2004.
- June 1996 – January 1999 **Intern, Los Alamos National Laboratory** (summer '96, summer '97, summer and fall '98).
Helped to prototype, design and document two cooling systems for the electronic components of a subatomic physics project. The project involved programming in C, mechanical prototyping and testing, and circuit design, and became the subject of master's thesis.
- Fall 1997 Chosen as team leader for a class project in product engineering at MIT. Managed a team of 12 mechanical engineering seniors in the design and prototyping of a mechanical product.
