Derek Mansen

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EDUCATION

Bachelor of Science, Software Engineering
GPA: 3.9
Rochester Institute of Technology, Rochester, NY
September 2005 - May 2010

SKILLS

Programming Languages
Java, C#, C, Haskell, Erlang, Scala, Common Lisp, Scheme, Ruby
Tools and Development Environments
Eclipse, Linux / Unix, Mercurial, Git, Oracle and MSSQL databases

EXPERIENCE

Associate Applications Engineer   June 2010 - Present
Oracle Corp., Primavera GBU
Bala Cynwyd, PA

- Took ownership of a large subcomponent of the system soon after beginning employment
- Developed critical data migration tool for customer use
- Identified and fixed several critical bugs prior to release
- Quickly acclimated to the codebases of several distinct products

Software Engineering Intern   June 2009 - August 2009
Virtual Solutions Inc.
Cambridge, MA

- Worked on several components of a production-ready C#/C++ system
- Implemented vector-based matching algorithm to align machine text on printed form
- Worked on the character-classification component of a neural network based character recognition system

Software Engineering Intern   November 2008 - February 2009
General Dynamics Advanced Information Systems
Pittsfield, MA

- Developed embedded C++ code for use on a Naval vessel
- Write more stuff here! TODO

RIT Senior Project - Data Ontology Cache System   November 2010 - May 2011
Sponsor: Two Sigma Investments
New York, NY

- Developed system for storing and querying an OWL-based ontology.
- Team of five RIT students over the course of six months
- Gathered requirements, developed agile process with iterative releases
- Developed system for storage and analysis of massive quantities of semantic data
- Worked with semantic data analysis technologies: OWL, RDF, Pellet, and Jena
- Designed and implemented replication system that replicated data and requests across multiple servers

RESEARCH
INTERESTS   Functional programming
Concurrent systems
Programming languages