

Jonathan Finger

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OBJECTIVE

A software engineer position.

EDUCATION

Master of Science in Computer Science, Expected: December 2008
Thesis: Assessment of Rank Joins with Optimal Cost
University of California, Santa Cruz

Bachelor of Science in Computer Science, June 2005
Minor in Electronic Music
University of California, Santa Cruz

COMPUTER SKILLS

Languages: Java, C, C++, PHP, Perl, SQL, HTML
Experience with: Lisp, Python, Haskell, Flex, Bison, AJAX, BerkeleyDB
Operating Systems: Linux, UNIX, MacOS X, Windows
Applications: MySQL, PostgreSQL, PowerBroker

PROJECTS

- Performed an assessment of multiway join plans for top-k rank queries in a relational database
- Designed a method for automatic natural matting for videos using a depth camera
- Created a method for using database schema mappings to aid in interactive story generation
- Analyzed the characterization of Java programs across revisions
- Prototyped an interactive transit screen for bus stops and mobile devices

WORK EXPERIENCE

Teaching Assistant, Various Computer Science courses, University of California, Santa Cruz
September 2006 to December 2007

- Assisted students with programming languages and guided them with debugging their programs.

Web Programmer, iKorb (e-commerce web developer), Santa Cruz, CA
Spring 2006

- PHP programming for a networking/auction website

Log Analyst and System Administrator, Bank of America - Corporate Information Security, Concord, CA
Summer 2004 and Summer 2005

- Set up a database to collect and analyze information about in-house product usage
- Designed PHP web interface for SQL database
- System administration on several log servers

Web Developer, Metropolitan Transportation Commission, Oakland, CA
Spring 2004

- Created scripts to automate website cleanup and wrote HTML metadata editor

Freelance Programmer, Berkeley, CA
September - June 2000 and Winter 2005

- Wrote content management systems, auction site, book tracking system
- Wrote template system and several small database driven web sites

Creator and Principal Owner, goImageSearch.com, Berkeley, CA
October 2002 to present

- Created image database search system in Perl which allows users to search images on a photographer's web site, and create accounts to store image collections.
- Sold system to photographers

INTERESTS

Biking, playing banjo and mandolin, programming web databases, free and open source software, cooking, growing food, juggling, including cooperative pattern club passing.