

OBJECTIVE To improve quality of life with software engineering.

TECHNICAL SKILLS **Favorite Languages:** Python (2.6-2.7, 3.2-3.5, and PyPy), JavaScript (especially ES6), Bash shell scripting, Java, HTML5, CSS3, L^AT_EX, PHP, SQL, Ruby, C/C++/C#

Favorite Software: Linux (Arch Linux, Ubuntu), GNOME, Django (1.4-1.9), pip, Ansible, Vagrant, Docker, VirtualBox, Jekyll, Octopress, virtualenv, tox, coverage, PyPy, jQuery, GNU make, VCS (Git, Mercurial), git-cola, PhoneGap (Android, iOS), Jenkins, Apache, PostgreSQL, MySQL, MariaDB, node.js, React, React Native, PhantomJS, Mocha, Bootstrap, Backbone.js, Underscore.js, CoffeeScript, {less}, Meteor, Atom, Vim, Gimp, Inkscape, OpenSCAD, Print-run, Blender, Pencil, ScudCloud, Encryptr, and many GNU and UNIX tools

Favorite Services: GitHub, Bitbucket, PyPI, Ansible Galaxy, Read the Docs, Travis CI, CircleCI, VersionEye, Requires.io, Coveralls, Heroku, Amazon Web Services (S3, EC2), Stack Exchange, PhoneGap Build, React Native Playground, Dropbox, Google Drive, Google Hangouts, Mailchimp, Fitbit, Coursera, Thinger

PROFESSIONAL EXPERIENCE

ORCAS, Eugene, Oregon USA

Senior Software Engineer

June 2012 to present

- Build web application backends using the Django framework
- Make design modifications to improve existing applications
- Manage server infrastructure
- Provide expertise for research grants
- Build supplemental mobile apps for Android and iOS
- Develop according to Agile methodologies

Freedom Voice, Encinitas, California USA

Front-End Web Developer

June 2010 to May 2012

- Help with technology decisions
- Build websites using the Kohana framework given Photoshop files
- Work with designers to resolve unforeseen user interface issues

Independent Software Contractor, Eugene, Oregon USA

Software Engineer

January 2009 to June 2010

- Manage client relationships
- Communicate with the client to develop requirements and deliverables
- Implement all aspects of the project

Oregon Center for Applied Science (ORCAS), Eugene, Oregon USA

Software Engineer

Fall 2006 to Spring 2008

- Build websites using the Django framework given CSS and high-level design
- Increase website interactivity using AJAX
- Design and implement software installation CD
- Work together with Research Assistants on site designs
- Enhance CSS and design as required

iMetrikus, Inc., Carlsbad, California USA

Software/QA Engineer

Summer 2004 to Fall 2006

- Implement new features as specified in Engineering Change Orders/Requests
- Create and maintain reports using SQL Server Reporting Services
- Help with Software Configuration Management (SCM)
- Run deployments and troubleshooted problems on many systems from demo systems to production servers
- Write and execute test plans based on Functional Requirements Documents (FRD)
- Write test reports based on test execution results

University of Utah, Salt Lake City, Utah USA

Software Developer

Fall 2003 to Spring 2004

- Responsible for the collaborative/education component of **Computational Science and Engineering Online (CSEO)**, an innovative online grid-enabled cyberinfrastructure for research, collaboration, and education in Computational Science and Engineering
- Integrate collaborative tools such as chat, whiteboard, audio/video conferencing, and desktop sharing into the CSEO mainframe
- Continued development and bug fixes to the collaborative tools
- Participate in demo for potential investors

ACADEMIC
EXPERIENCE

University of Oregon, Eugene, Oregon USA

Graduate Student

Fall 2006 to Spring 2009

- Member of the **Advanced Integration and Mining (AIM) Laboratory**
 - Summer 2008 to Fall 2009
 - Research ways to benchmark heterogeneous data mining
 - Extend lab software to generate heterogeneous data with a predefined gold standard
- Grader for CIT 383: Enterprise Networking
 - Spring 2009
- Grader for CIS 170: Science of Computing
 - Winter 2008 and Winter 2009

- Graduate Teaching Fellow (GTF) for CIS 122: Algorithms and Programming
 - Fall 2008
 - Responsible for 1 hour lab section where undergraduate students design programs implementing different algorithms
 - Grade assignments of 60 students

University of Utah, Salt Lake City, Utah USA

Undergraduate Student

Fall 2000 to Spring 2003

EDUCATION

University of Oregon, Eugene, Oregon USA

M.S., Computer and Information Science, June 2009

- Final Project: *Heterogeneous Data Generation*
- Adviser: Assistant Professor Dejing Dou
- Area of Study: Artificial Intelligence/Data Mining

University of Utah, Salt Lake City, Utah USA

B.S., Computer Science, May 2003

- Deans List, 2003

SERVICE

Sorenson Multi-Cultural Center Youth Computer Clubhouse, Salt Lake City, Utah USA

Computer Coach

Spring 2003

- Assist youth with basic computer and internet usage
- Help youth with exciting and creative computer projects, including graphic design and website design
- Role model for at-risk youth

Planned Parenthood of Southwestern Oregon (PPSO), Eugene, Oregon USA

Volunteer

2007 to 2009

- Table for Planned Parenthood at various events
- Participate in phone banks
- Help as a table guide at annual PPSO Galas

Eugene Concert Choir, Eugene, Oregon USA

Volunteer, Tenor 2

August 2008 to June 2010

- Help with pre-concert setup
- Sing!

HOBBIES	Sailing, biking, juggling, unicycling, 3D printing, DDR, piano, guitar, accordion, trumpet, swimming, racquetball, volleyball, tennis, kickball, snow sports, water sports, etc. Life is fun, I really love just about everything I do.
REFERENCES	Available upon request