

JON SIMS

227 Woodstock, Clarendon Hills, IL 60514

(239) · 994 · 3049 ◊ jsims@pugetsound.edu ◊ jonsims.me

TECHNICAL SKILLS

Computer Languages (in order of experience)	Python, SQL/PLSQL, Java, Ruby, C/C++/C#, Bash, Haskell,
Databases	HTML/CSS/Javascript, Prolog, Assembly, Common Lisp, Batch
Other Technologies	Oracle Database 12c, Postgre, MySQL, SQLite
	Oracle Peopletools 8.53, Enterprise Linux Systems
	(Debian, Fedora, Ubuntu), SVN/Git, Django, Rails, Node.js

EXPERIENCE

University of Puget Sound <i>Junior Database Analyst</i>	September 2013 – Present <i>Tacoma, WA</i>
--	---

- I am a work study student working with the university's databases to replace queries and views from their legacy database structure with those of the newer Oracle Peoplesoft.
- These views are written in PL/SQL, and queries using Oracle Peopletools for various academic and financial departments.
- Initially, I worked as part of the "Optimize Team", but we've now moved onto the "Maximize" phase. Same job and work, but slightly different titles.
- I've successfully replaced many legacy reports with Peoplesoft queries.
- I work under the senior developers who build the university's SQL database in the first place, thus have picked up a foundational understanding of database administration.

University of Puget Sound <i>Tutor for the Computer Science department</i>	September 2014 – Present <i>Tacoma, WA</i>
--	---

- I also tutor for the computer science department for several hours per week, typically helping students of introductory and intermediate computer science classes.

Risk Technology Solutions <i>Junior Linux Systems Administrator</i>	June 2013 – August 2013 <i>Charlotte, NC</i>
---	---

- I installed several programs onto their servers for the purpose of analyzing stock positions and portfolios.
- Risktech writes customized software for individual firms based on their market analysis needs. Rather than rewriting redundant code for similar problems, they want to look into an open source platform on which to write customized software.
- My role was to install and test the Opengamma platform for them in order to achieve an open source solution.
- I analyzed the potential costs and benefits of developing atop Opengamma .
- I also began the reconstruction of a corrupted Oracle database.

Self-employed <i>Freelance Web Developer</i>	December 2012 – Present <i>Clarendon Hills, IL</i>
--	---

- In 2012, my uncle needed a website to show off his restaurant to the world. I wrote the website's code and set up its hosting. It existed at tomsgrill.com, but has since been deactivated as he sold the restaurant earlier this year.
- I set up an apache2 webserver for my home server at the address jonsims.me .
- In the summer of 2014, I designed a website at j-walking.biz for another client.

EDUCATION

University of Puget Sound

August 2013 – June 2016

B.S. in Computer Science & Mathematics (double major)

Honors program

Tacoma, WA

- I am currently a second-year student, but have third-year standing due to additional course credits from summer classes.

INTERESTS

Association for Computing Machinery

August 2013 – Present

Project Organizer

University of Puget Sound

- I've participated in this club through a couple of projects since the beginning of freshman year, and have now been elected into one of its leadership positions as the project organizer.
- We have hosted several hackathons, including the ACM intercollegiate programming competition for the past two years.
- This past semester, we've begun work on several IOS/Android apps, including:
 - LoggerBytes, which queries the school's database for how many dining dollars a student has left
 - Eventi, a method of viewing campus event posters from a mobile device
 - Space Tower Defense, a simple tower defense game
- We've also constructed a pseudo-supercomputer, which can successfully run programs in parallel, out of several raspberry pi computers.

Additional collegiate involvement

University of Puget Sound

- Certified trip leader for Puget Sound Outdoors, as well as first-aid and CPR certified
- Communications Engineer, Webmaster, and DJ for the college radio station KUPS
- Interfraternity Council's Director of Public Relations, elected in the fall of 2014, and will serve until the spring of 2016
- Refounding father of a chapter of the Beta Theta Pi fraternity
- Participant in the Putnam mathematics competition
- Member of the honors program