JON SIMS

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TECHNICAL SKILLS

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

EXPERIENCE

University of Puget Sound   September 2013 – Present
Junior Database Analyst   *Tacoma, WA*

· I am a work study student working with the university's databases to replace their legacy database structure with the newer Oracle Database 12c and Oracle Peopletools.
· I designed queries and views in PL/SQL 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   September 2014 – Present
Tutor for the Computer Science department   *Tacoma, WA*

· 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   June 2013 – August 2013
Junior Linux Systems Administrator   *Charlotte, NC*

· 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   December 2012 – Present
Freelance Web Developer   *Clarendon Hills, IL*

· 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
· DJ for the college radio station KUPS for the past two semesters
· 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