

**SUMMARY**      **Software and systems engineer with 8 years of industry and entrepreneurial experience. Fast learner, high degree of initiative, equally enjoy independent and collaborative work.**

**PROFESSIONAL EXPERIENCE**      **ReConn, LLC**      Pittsburgh, PA  
*Co-Founder and CTO*      **2009–present**

- Designed architecture and UI, managed development cycle, deployed, and maintained the reporting, knowledge-management and expert-finding platform in use by clients.
- Developed business opportunities with URS Corp, a Fortune 500 company; the National Energy Technology Laboratory, a national laboratory operated by the Department of Energy; and academic and non-profit institutions, including Carnegie Mellon University and University of Pittsburgh.

**Dynamic Decision Making Laboratory**      Pittsburgh, PA  
*Research Programmer*      **2009–2011**

- Collaborated with Post-Doctorates to build and deploy distributed experiments in game theory.
- Built an instance-based machine learning simulator and user-friendly modeling tool to complement the ACT-R Common Lisp environment.

**Lunarpages Webhosting**      Telecommute / Las Vegas, NV  
*In-house Developer*      **2006–2009**

- Led the design, development, and deployment of the customer ticketing system, serving 100,000 customers; and the multi-datacenter cluster used to offer the system as Software-as-a-Service.
- Planned and executed the initiative to migrate six years of project repositories from CVS to SVN.
- Designed internal software to aggregate and analyze log data from several hundred servers.
- Administered several dozen mission-critical internal servers and virtual development servers.

**Lunarpages Webhosting**      Telecommute / La Mirada, CA  
*System Administrator and Consultant*      **2004–2006**

- Proposed, designed, and implemented: company-wide single sign-on, intranet, and XMPP-backed internal communications network; all of which are still in use today.
- Administered over 200 Linux- and BSD-based customer-facing servers, in addition to a dozen mission-critical internal servers housing sensitive business information.

**TEACHING EXPERIENCE**      **Carnegie Mellon University**      Pittsburgh, PA  
*Instructor and Head Teaching Assistant*      **2006–2007**

- Worked with the professor to formulate an advanced section of and co-taught the mandatory course for Juniors in the Information Systems program, *Application Design and Development*.
- Proposed, prepared teaching material, and taught Ruby on Rails to the senior honors team, under the guidance of the professor, during the year-long process of writing the senior thesis.

**SKILLS**      **Natural Languages:** native speaker of both English and Indonesian; basic Russian and Welsh.  
**Computer & Markup Languages:** CSS, HTML, Java, JavaScript, JSP and servlets, Perl, PHP, R, Ruby (including JRuby), shell scripting, SQL, Visual Basic. Exposure to C, C#, Erlang, PL/pgSQL, Python, Scala, SML/NJ.

**Software & Frameworks:** git, svn, Apache project softwares (httpd, Lucene, Solr, Tomcat), HAProxy, jQuery, L<sup>A</sup>T<sub>E</sub>X, memcached, MySQL, nagios, nginx, PostgreSQL, Puppet (and similar configuration management software), Redis (and similar NoSQL databases), Ruby on Rails.

**EDUCATION**      **Carnegie Mellon University**      Pittsburgh, PA  
*B.S. in Information Systems, with departmental honors*      **2007**  
*B.S. in Statistics*      **2007**