

David Cowden

CONTACT INFORMATION	Grinnell College 1115 8th Ave NUM 3386 Grinnell, Iowa, 50112	+1 215 326 9336 dcow90@gmail.com http://www.dcow.me
EDUCATION	Grinnell College , Grinnell, Iowa, USA <i>Bachelor of Arts in Computer Science</i>	August 2009 – May 2013
SELECTED COURSEWORK	<i>Computer Graphics, Computer Vision, Advanced Algorithms and Data Structures, Operating Systems, Parallel Algorithms, Computer Architecture, Theory of Computation, Linear Algebra, Combinatorics, Quantum Mechanics, Modern Physics, Electromagnetic Theory</i>	
PROGRAMMING LANGUAGES	<i>Proficient:</i> C, C++, Java, Scheme, Python <i>Familiar:</i> Open-GL, Assembly, Mathematica, PROLOG, Rails, PHP, Ruby, Perl, JavaScript	
MARKUP	L ^A T _E X, HTML/CSS, JSON, XML, RDF, DOM, OWL	
SKILLS	Android, Linux/Unix, OSX, Windows, GIT, Bazaar, Emacs, Eclipse, Visual Studio, XCode, Bash	
INTERESTS	Mobile Device Development — Low-Level Systems and Computer Engineering — RESTful HTTP	
PORTFOLIO	GitHub https://github.com/dcow Bitbucket https://bitbucket.org/dcow	
PUBLICATIONS	Cowden, D, et al., (2012). “A C-based Introductory Course Using Robots”, in <i>Proceedings of the 43rd ACM Technical Symposium on Computer Science Education</i> , February 29th - March 3, 2012, Raleigh NC, 27-31.	
PROFESSIONAL EXPERIENCE	Grinnell College Information Technology Services , Grinnell, Iowa, USA <i>Mobile Application Development Coordinator</i> January 2011 – present Manage a group of 8 mobile developers responsible for developing modern applications for Grinnell college and community use. Our latest project is a mobile dining menu <i>G-licious</i> . All of our source is licensed under the GPL-v3 and is available on <i>github</i> : https://github.com/organizations/GrinnellAppDev . <i>Technology Consultant</i> September 2009 – present Provide helpdesk support for students, professors, and staff in a wide range of environments including Linux, Windows, and OSX. Provide general customer support through advanced hardware repair and data recovery. Train new students at the helpdesk. Oklahoma University Health Sciences Center <i>Undergraduate Summer Research Student</i> June 2012 – August 2012 Worked with a few other medical students a radiology professor to develop a program for auto-curation of personal knowledge. Wrote a library atop the RDF/XML data exported by <i>Pearltrees</i> that provides a Java interface for Pearltrees data. jPearltrees is available at: http://git.dcow.me/jPearltrees . Grinnell College Computer Science Department <i>Undergraduate Summer Research Student</i> June 2011 – August 2011 Worked with 3 other students and a professor to develop C interface for the Parallax <i>Scribbler 2</i> robots and a complete course curriculum utilizing the robots. Published a paper among the proceedings of SIGCSE 2012. The interface is available on <i>launchpad</i> under the name <i>myro-c</i> . Iowa Health System , Cedar Rapids, Iowa, USA <i>IT Department Intern</i> June 2010 – August 2010 Conducted imaging software testing exposing the need to reduce first image response time. Interned with server and network administrators.	
REFERENCES	<i>Available upon request.</i>	