

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 & Physics</i> August 2009 – May 2013	
INTERESTS	Mobile Device Development — Low-Level Software Systems — Computer Engineering — REST	
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 <i>Mobile Application Development Coordinator</i> January 2011 – present <ul style="list-style-type: none">• Manage a group of 8 developers responsible for creating mobile applications on all modern platforms.• Released <i>G-licious</i> – a full featured Grinnell dining assistant with over 400 active installs.• Product manager for <i>TCDB2</i> – a rewrite of the ACM award-winning shift scheduling system, <i>TCDB</i>.• AppDev Github portfolio: https://github.com/GrinnellAppDev <i>Technology Consultant</i> September 2009 – present <ul style="list-style-type: none">• Provide Linux, Windows, OSX, Application, and Networking support for students and staff.• Train new students and new tech consultants at the helpdesk. Oklahoma University Health Sciences Center , Oklahoma City, Oklahoma <i>Undergraduate Summer Research Student</i> June 2012 – August 2012 <ul style="list-style-type: none">• Worked with 4 medical students at OUHSC to develop a system for auto-curation of data.• Wrote a library, <i>jPearltrees</i>, that provides a Java interface for the RDF/XML <i>Pearltrees</i> data. Grinnell College Computer Science Department <i>Undergraduate Summer Research Student</i> June 2011 – August 2011 <ul style="list-style-type: none">• Worked with 3 other students to develop <i>Myro-C</i>, a C interface for the Parallax <i>Scribbler 2</i> robots.• Wrote a complete course curriculum utilizing the robots.• Published a paper: <i>A C-based Introductory Course Using Robots</i> among the proceedings of SIGCSE. Iowa Health System , Cedar Rapids, Iowa <i>IT Department Intern</i> June 2010 – August 2010 <ul style="list-style-type: none">• Conducted imaging software testing exposing the need to reduce first image response time.• Interned with server and network administrators as well as the systems architect.	
PROGRAMMING TECHNOLOGIES	<i>Proficient:</i> C · C++ · Java · Scheme · Python · Ruby · Rails · Bootstrap <i>Familiar:</i> Open-GL · RISC Assembly · PROLOG · Ruby · PHP · Perl · JavaScript · Mathematica	
MARKUP	L ^A T _E X · HTML5/CSS3 · SASS · JSON · XML · RDF · DOM · OWL · Markdown	
SKILLS & ENVIRONMENTS	Linux/Unix · Android · OSX · iOS · Windows [RT] · GIT · Sublime Text 2 · VIM · Rspec Command-line Tools · Server Admin · Agile Methods · XP · TDD · Trello · Active Record	
PROFESSIONAL LEADERSHIP	CS Student Education and Policy Committee · CS Department Tutor and Grader · Tech Consultant Mentor · XP Product Manager · StackExchange Contributor · ACM Student Chapter Vice President	
EXTRA CIRRICULAR	Grinnell Singers – Bass Section Leader · Noteworthy A’cappella Group – Director · Graphic Design Grinnell Grillers – Founder · International Soccer Organization · Recognized XDA Developer	