David Cowden

CONTACT INFORMATION	Grinnell College	
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		http://www.dcow.me

EDUCATION

Grinnell College, Grinnell, Iowa, USA

Bachelor of Arts in Computer Science — CS GPA 3.6/4.0 **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 *Proceedings of the 43rd ACM Technical Symposium on Computer Science Education*, February 29th - March 3, 2012, Raleigh NC, 27-31.

PROFESSIONAL EXPERIENCE

Grinnell College Information Technology Services, Grinnell, Iowa

Mobile Application Development Coordinator **January 2011 – present**

- Manage a group of 8 developers responsible for creating mobile applications on all modern platforms.
- Released *G-licious* – a full featured Grinnell dining assistant with over 400 active installs.
- Product manager for *TCDB2* – a rewrite of the ACM award-wining shift scheduling system, *TCDB*.
- AppDev portfolio: https://github.com/GrinnellAppDev — G-licious: http://apps.g-licio.us

Technology Consultant **September 2009 – present**

- 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

Undergraduate Summer Research Student **June 2012 – August 2012**

- Worked with 4 medical students at OUHSC to develop a system for auto-curation of data.
- Wrote *jPearltrees*, a Java interface for RDF/XML *Pearltrees* data: http://jpearls.dcow.me

Grinnell College Computer Science Department

Undergraduate Summer Research Student **June 2011 – August 2011**

- Worked with 3 other students to develop *Myro-C*, a C interface for the Parallax *Scribbler 2* robots.
- Wrote a complete course curriculum utilizing the robots.
- Published a paper: *A C-based Introductory Course Using Robots* among the proceedings of SIGCSE.

Iowa Health System, Cedar Rapids, Iowa

IT Department Intern **June 2010 – August 2010**

- 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

Proficient: C · C++ · Java · Scheme · Python · Ruby · Rails · Bootstrap
Familiar: Open-GL · RISC Assembly · PROLOG · Ruby · PHP · Perl · JavaScript · Mathematica

MARKUP

LaTeX · 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