David Cowden

CONTACT INFORMATION	Grinnell College	+1 215 326 9336
	1115 8th Ave NUM 3386	dcow90@gmail.com
	Grinnell, Iowa, 50112	http://www.dcow.me

EDUCATION

Grinnell College, Grinnell, Iowa, USA

Bachelor of Arts in Computer Science   **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 mobile developers responsible for creating modern applications.
- Released *G-licious* – a full featured Grinnell dining assistant with over 400 active installs.
- *Glicious* utilizes a custom PHP back-end, JSON data packaging, caching, and a beautiful UI.

Technology Consultant   **September 2009 – present**

- Provide Linux, Windows, OSX, Application, and Networking support for students and staff.
- Privide general customer support through advanced hardware repair and data recovery.
- 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 to develope a program for auto-curation of personal knowledge.
- Wrote a library that provides a Java interface for the RDF/XML data exported by *Pearltrees*.

Grinnell College Computer Science Department

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

- Worked with 3 other students to develope C interface for the Parallax *Scribbler 2* robots.
- Wrote a complete course curriculum utilizing the robots.
- Published a paper among the proceedings of SIGCSE 2012.

Iowa Health System, Cedar Rapids, Iowa, USA

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 LANGUAGES

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

MARKUP

LaTeX, HTML5/CSS3, JSON, XML, RDF, DOM, OWL, Markdown

SKILLS

Android, Linux/Unix, OSX, Windows, Android, iOS, Windows Phone, GIT, Emacs, VIM, Eclipse, Visual Studio, XCode, Bash

PROFESSIONAL LEADERSHIP

CS Student Education and Policy Committee; Tech Consultant Mentor; XP Product Manager; ACM Chapter Vice President;

EXTRA CIRRICULAR

CS Tutor; Grinnell Singers; Music (Vocal, Instrumental, A'cappella); Cooking & Grilling; Recognized XDA Developer