

Luke Korth

Mobile and Web Application Engineer

TL;DR

I'm a passionate developer with a love for Android and all things Web. I have a keen eye for performance and security, enjoy creating new things that have never been done before and pushing the limits of what is possible. To see some of the work I'm most proud of, check out my Android apps at lukekorth.com/apps.

Work Experience

The Center for Health Enhancement Systems Studies

6/2012 - present

research center, <http://chess.wisc.edu>

- Developed Android applications and RESTful APIs for grant funded research
- Worked with the development team to implement use of Git and issue tracking
- Increased the use of an open-source software stack to increase the sustainability of projects

J&P Cycles

11/2011 - 12/2011

e-commerce, <http://ipcycles.com>

- Worked as an intern in a .NET Developer position in C#, an MVC framework and jQuery
- Developed a new checkout process to simplify the website
- Increased ease of use and conversion rate
- Worked extensively on user testing of the finished product
- Learned Git from the creator of Posh-Git

Dartmouth College

7/2011 - 8/2011

information security

- Worked for Peter Kiewit Computing Services
- Developed a program to analyze VPN event logs and generate alerts of suspicious activity based on geo-location techniques
- Analyzed network printers for security flaws
- Worked on intrusion detection and prevention
- Presented at Securing the eCampus 2011
- Demonstrated an attack that had been made against Dartmouth using a flaw in PhpMyAdmin

Contact Information

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-  [View online at lukekorth.com/resume](http://lukekorth.com/resume)

Education

Bachelor of Arts in Computer Science

Cornell College

2008-2012

3.76 GPA

Magna Cum Laude

Skills

Windows	Java
Linux Servers	Async Programming
Android	[OO]PHP
Git	[My]SQL
Scaling	Javascript/jQuery
Caching	HTML
APIs (Facebook, Google)	CSS

Awards

- Cornell College Dean's List
- Cornell College Academic Trustee Scholarship Recipient
- Cornell College Grant Recipient
- VF Scholarship Recipient
- Iowa College Foundation Principal Financial Group Information Technology Scholarship Recipient
- ACM ICPC Honorable Mention
- Cornell College Senior Computer Science Student Achievement Award

SISMAT

6/2011 - 7/2011

computer security, <http://www.its.dartmouth.edu/events/sisimat>

- Worked together with other students under the oversight of a professor to gain valuable knowledge and experience in computer security
- Studied network security, intrusion detection, low level programming and web application security
- Participated in attack and defend hacking scenarios

Freelance

Android Applications

10/2011 - present

<http://lukekorth.com/apps>

- 3 Android apps in Google Play
- 240+ reviews with 4.3+ average star rating
- Developed high quality apps that use Facebook APIs, Google Cloud Messaging and Pebble SDK
- Presented at Iowa Code Camp 2011 on C2DM

JanSport

12/2012 - present

sales app, <http://jansport.com/>

- Developed an iOS and Android application for sales reps
- Worked with manager to define specifications and set goals for final product

Mount Vernon Historic Preservation Commission

1/2010 - present

local organization website, <http://mvhpc.org>

- Worked with a local nonprofit organization to build a custom website
- Worked on developing the site to be used as part of high school curriculum

Activities

International Collegiate Programming Contest
Contestant

Association of Computing Machinery Member

SIGCSE Attendee and Volunteer

Cornell College Student Senate Office Manager and
Webmaster

Cornell College Computing Club Co-Founder and
Webmaster

The Cornellian Newspaper Webmaster

Cornell College Academic Search Committee Member

Cornell College Student Symposium Presenter

Cornell College KRNL Radio Webmaster

Cornell College Mortar Board Torch Chapter Member

Securing the eCampus Presenter

Iowa Code Camp Presenter

MidwestPHP Attendee