



\$ whoami
Kevin_Mittman

github - @mittman, @oshazard, @justbrowsing

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EDUCATION

Bachelor of Science in Computer Science

· California State University, Fullerton

Graduated May 2016 – GPA 3.05

COURSEWORK

· Data Structures · Software Engineering · Open Source Software · Algorithms · Network Security · Web App Design

TECHNICAL SKILLS

10+ years of GNU/Linux experience

· Source packaging, Makefiles, porting and maintenance

Command-line and scripting proficiency

· awk/grep/sed, busybox, chroot, nano, ssh, apt-get, yum

Writing Documentation

· manpages, UML, Javadoc, LaTeX, markdown, wiki

Development Tools

· Android Studio, Bats, Eclipse, git, gcc/g++, Scratchbox

Programming Languages

· BASH, Python, Java, C++, JavaScript, R, C, Racket

Full-stack Web: Back-end and Front-end

· Node.JS, Socket.io, CSS/HTML, Bootstrap, jQuery, XML

Database and Graphics

· MongoDB, Redis, MySQL, JSON, GIMP, ImageMagick

Containers and Deployment

· docker, nspawn, qemu, virtualbox, Cloud Foundry, Heroku

EXPERIENCE

apacman – Lead Maintainer downloads 11,000 2013 - 2016

· Package manager for ArchLinux User Repository (AUR)
· Took over reins of popular BASH-based project
· Created a config file, many new features, more CLI flags
· Added Bats unit tests and wrote manpage docs
<https://aur.archlinux.org/packages/apacman>

PrinterPi – Project Manager freelance Q3 2012

· Fulfilled client request for iPhone printing to USB printer
· Raspberry Pi as CUPS bridge and hostapd WiFi hotspot
· QEMU user mode to run x86 binary drivers on ARM SoC

JustBrowsing – Project Manager downloads 82,000 2013 - 2015

· ChromeOS-like kiosk Linux LiveCD for web browsing
· Wrote settings control panel with config persistence
· Modded lock screen for webcam-based intrusion detection
· Wrote calculator, timers webapps & pygtk keyboard applet
<http://justbrowsing.info>

webGPS – Developer just for fun Mid 2011

· Parse GPS coordinates from Palm webOS phone via USB
· Client-server model with PHP shim to interface with gpsd
· Mapped wireless Access Points combined with kismet logs

PROJECTS

GuessWhat – Core Developer commits 84 Spring 2016

· Online Node.JS real-time multiplayer Pictionary game
· Wrote socket.io IM chat with jQuery & Bootstrap theme
· Interfaced JSON API to fetch words, stored in Redis DB
<http://guess-what.cfapps.io>

pyCheckmate – Developer commits 27 Fall 2015

· Python chess end-game AI, 5-ply minimax α - β pruning
· Wrote user interaction and QA test prep for tournament
<https://mittman.github.io/pycheckmate>

TimeMe – Lead Developer commits 128 Spring 2012

· Task tracking application written in Java SWT
· Developed with Eclipse IDE, git, SRS and UML diagrams
· Data saved to TSV text-file for import into Excel or charts
https://mittman.github.io/timeme/TimeMe_1.1.jar

project254 – Lead Developer commits 20 Spring 2015

· C++ reverse-engineered log parser
· Wrote human-readable stats from “blackbox” log dump
· Handled challenge of reprimanding plagiarizing teammate

LEADERSHIP & PRESENTATIONS

Linux User Group – Founder, President 2014 – 2016

· Organized events and workshops for CSUF students
<https://linuxcsuf.github.io>

Why Linux? Cool Linux Tricks & CLI-Fu 2015

· Presented workshop for over 40 students and Professors
<http://linuxcsuf.pw/linux-slides.pdf>

CERTIFICATIONS & REPUTATION

Applied CS with Android by Google 2016

· Participated in 5-day hands-on technical workshop

StackOverflow reputation 2,400 pts superuser top 7% 2013

· <https://superuser.com/users/243553>