

Peter A. Gordon

· SOFTWARE DEVELOPER ·

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Summary

Technology enthusiast and recent university graduate (Computer Science & Mathematics). Passionate about building and debugging great software. Seeking junior-level Software Developer/Software QA position, especially one which could benefit from strong backgrounds in mathematics and creative problem-solving techniques.

Education

California State University, Fullerton

Fullerton, CA

B.S. COMPUTER SCIENCE

May 2017

- *Significant Courses:* Algorithm Engineering, Artificial Intelligence, Computer Architecture & Assembly, Compiler Construction, Cryptography & Data Security, Filesystems & Databases, Networking & Communications, Operating Systems, Software Engineering I, Software Testing, Unix & Open-Source Systems

B.A. MATHEMATICS

- *Concentration:* Pure Mathematics
- *Significant Courses:* Abstract Algebra, Differential Geometry, Linear Algebra, Mathematical Modeling, Numerical Analysis, Number Theory, Topology

Skills

Programming	Proficient: Bash, C/C++, Java, PHP, Python Familiar: C#, JavaScript, Lisp, MATLAB, R, SQL
Systems	Android, FreeBSD, Linux, Windows
Databases	MySQL, SQLite, MS SQL
Versioning	CVS, Git, Subversion
Languages	English (Fluent), Japanese (Basic), Spanish (Fluent)

Work Experience

KORE1, Inc.

Irvine, CA

CONTRACTOR AT LOANDEPOT, LLC – FUNCTIONAL TESTER

November 2017 – Present

- Collaborating with QA and Developer teams to ensure successful functionality and deployment of product software (web-based loan application and management platform) using Scrum development methodologies.
- Submitting and verifying bug reports to developers; creating narrow-scope test cases for clear reproducibility.
- Confirming bugs resolved by executing these test cases after development team pushes corresponding builds.
- Writing and executing manual regression tests as needed for each sprint.
- Researching automation of regression test suites via Selenium framework.

VM Services

Anaheim, CA

ASSEMBLER / MATERIALS HANDLER / SHIPPING CLERK / TEST TECHNICIAN

June 2011 – November 2017

- Pack-out and processing of high-volume international and domestic shipments of PCBs.
- Visited customer in Baltimore, MD (twice) to assist in on-site repairs and testing of tablets.
- Other duties included PCB testing and inventory maintenance using internal Oracle-based and SAP systems.

SOFTWARE DEVELOPER INTERN

June 2009 – January 2010

- Replaced aging application server with CentOS 5 system
- Installed and configured full LAMP stack for osTicket.
- Augmented osTicket with company branding; and added support for file attachments, automatic email notifications, and tracking of deleted tickets.

Irvine Sensors Corporation

Costa Mesa, CA

INVENTORY CONTROL CLERK

October 2005 – July 2007

- Developed rudimentary database software with Microsoft Access for managing Process Lab inventory.
- Organized and catalogued parts into new stockroom. Managed stockroom; maintained accurate transaction records of all materials.

Major Coursework Projects

Mathematical Modeling Semester Project • Python & L^AT_EX

CSU Fullerton

LEAD PROGRAMMER & REPORTER

MATH 370 • Fall 2014

- Devised, implemented, and compared algorithms to calculate the approximate minimum rectilinear Steiner tree of a connected weighted graph by (1) applying Prim's MST algorithm to a reduced Hanan grid; and (2) modifying Prim's algorithm to add Steiner points on-demand.
- Created presentation and documented full write-up of the project, including problem statement and our results with analysis.

Software Engineering I Semester Project • Python

CSU Fullerton

TESTER & DEMO PRESENTER

CPSC 362 • Spring 2014

- Created use cases, tested, and wrote bug reports for the project ("Task Commander").
- Created final presentation and demonstrated project with oral report to class.

Networking & Communications Final Project • Python

CSU Fullerton

SOLE DEVELOPER

CPSC 471 • Spring 2014

- Designed and documented a pluggable FTP-like protocol with out-of-band data transmission.
- Created the reference client and multiprocessing server implementations for this protocol.

Extracurricular & Volunteer Experience

The Fedora Project

<https://fedoraproject.org/>

PACKAGE MAINTAINER

September 2006 – Present

- Create and maintain Fedora RPM packages for several desktop software and libraries including Gourmet, gLabels, and others.
- Former primary maintainer for other packages including Scribes, GNOME Music Applet, Nemiver, and others.
- Responsible for keeping Fedora's packages of these software updated and helping resolve any bugs with their upstream developers.

Developer Shed Forums

<https://forums.devshed.com/>

MODERATOR

April 2004 – Present

- Collaborating with diverse team of worldwide administrators and other moderators to help lead a variety of technical discussion in its many forums and assist in its day-to-day upkeep.

CSUF Titan Men's Chorus

CSU Fullerton

TENOR II

Spring 2010 – Spring 2017

- Performed a wide variety of vocal repertoire at concerts, festivals, and tours.

Google's Applied CS With Android Workshop

CSU Fullerton

STUDENT DEVELOPER

Spring 2016

- Created several basic Android apps using tries, trees, priority queues, and other data structures to implement the Ghost word-guessing game and Pig dice-rolling game (each with an AI opponent) and a slider puzzle with heuristic solver.

CSUF College of Engineering & Computer Science

CSU Fullerton

STUDENT AMBASSADOR

March 2010 & March 2012 & March 2016

- Worked with other students and faculty to help coordinate the "Professor For A Day" (2010, 2012) and "Welcome to CSUF Day" (2016) events.

Gentoo Linux Forums

<https://forums.gentoo.org>

GLOBAL MODERATOR

December 2005 – October 2007

- Assisted other Gentoo users and developers with installing, tweaking, and working with Gentoo Linux systems.
- Worked with other moderators and administrators to ensure smooth day-to-day operations (by enforcing good behavior guidelines, quickly removing spam, etc.) in addition to helping promote regular community discussions on a wide variety of topics.

References

- Available upon request.