

Peter Gordon

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EDUCATION

CSU FULLERTON

B.Sc. COMPUTER SCIENCE

B.A. MATHEMATICS

Spring 2017

LINKS

DevShed :// [codergeek42](#)

Fedora :// [pgordon](#)

GitHub :// [codergeek42](#)

GPG Public Key ://

[0x4268CB7AFFC19479](#)

COURSEWORK

COMPUTER SCIENCE

Algorithm Engineering

Artificial Intelligence

Computer Architecture & Assembly

Compiler Construction

(Languages & Translation)

Cryptography & Data Security

Filesystems & Databases

Networking & Communications

Operating Systems

Software Engineering I

Software Testing

Unix & Open-Source Systems

MATHEMATICS

Abstract Algebra

Linear Algebra

Mathematical Modeling

Numerical Analysis

Number Theory

Topology

SKILLS

PROGRAMMING

Proficient:

C • C++ • Java • \LaTeX

PHP • Python • Shell

Familiar:

C# • JavaScript • Lisp

MATLAB • R • SQL

MULTILINGUAL

Spanish (Fluent) • Japanese (Basic)

SYSTEMS

FreeBSD • Linux • Windows

CVS • Git • Subversion

REFERENCES

Available upon request.

WORK EXPERIENCE

MATERIALS HANDLER / SHIPPING CLERK • VENTURE MFG. SERVICES

June 2011 – Present (Intermittent • Anaheim, CA)

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

SOFTWARE DEVELOPER INTERN • VENTURE MFG. SERVICES

June 2009 – January 2010 (Anaheim, CA)

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

INVENTORY CONTROL CLERK • IRVINE SENSORS CORPORATION

October 2005 – July 2007 (Costa Mesa, CA)

- Developed 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 COURSE PROJECTS

MATHEMATICAL MODELING SEMESTER PROJECT • LEAD PROGRAMMER

Fall 2014

Devised, implemented, and compared algorithms to calculate the approximate minimum rectilinear Steiner tree of a connected weighted graph by (1) constructing a Hanan Grid; and (2) modifying Prim's MST Algorithm.

SOFTWARE ENGINEERING I SEMESTER PROJECT • TESTER / PRESENTER

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 • SOLE PROGRAMMER

Spring 2014

Designed an FTP-like protocol with out-of-band data transmission. Created its reference client and multiprocessing server implementations.

EXTRACURRICULAR

GOOGLE'S APPLIED CS WITH ANDROID WORKSHOP • STUDENT DEVELOPER

Spring 2016 (CSU Fullerton)

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 TITAN MEN'S CHORUS • TENOR II

Spring 2010 – Spring 2017 (CSU Fullerton)

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

CSUF COLLEGE OF ENGINEERING & COMPUTER SCIENCE • STUDENT AMBASSADOR

March 2010 & March 2012 & March 2016 (CSU Fullerton)

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