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Certificates

- CERTIFICATE: N.I.H-Smith College: Northampton Mass: *Molecular biology, Biochemistry & Bioinformatics 2000*
<http://www.science.smith.edu/neb/>
- CERTIFICATE: *Lisp-Scheme programming* M.I.T. 1991
- CERTIFICATE: **SAFE SERVE FOOD HANDLING**/Food Management Certification 2005 Mission College
http://www.hospitalitytrainingonline.com/servsafe_safe_serve_test_exam.htm
- CompTIA A+ & CCNA (4.29.2016)
- VMware and Oracle VirtualBox: (4.29.2016)
- Apple ACSP: 4.29.2016

Education:

- Interrupted due to divorce & consequential money problems! *Currently operating in renegade-education mode!*
 - Current studies distributed across: *Coursera, Edx, Stanford Online and MIT OpenCourseware*
 - ***Finishing Chemistry major (BS) & Certificates in Data Science Track (Edx/Coursera):*** with 6 years experience *Colloidal & Surface Chemistry & 7 years with Hospital, Dialysis, Phlebotomy, Unit Clerk and Veterinary research experience.*
 - *Scholarship: Hacker DoJo (3-Months starting Jan 19th 2016)*
 - *Courses:*
 - *esri: Getting Started with ARCGis version 1.1 – 1.4*
 - *Harvardx Data Analysis for Life Sciences5: Introduction to Bioconductor*
 - *Instructors: Vincent J. Carey, PhD; Rafael A Irizarry, PhD*

Work History Sections:

Section I. Computer: Systems, Network, Web Engineering & Programming
Section II. Clinical Toxicology, Colloidal & Surface Chemistry; Medical/Veterinary
Section III. Clerical
Section IV. Restaurant, Bar, Catering

Work History Excerpts from all section I - IV

Tutoring April 2016:

Linux, Unix(Solaris), Shell programming, Python, Perl Virtualization (VMware & VirtualBox) & Regular Expressions. Virtual devices, Linux bridging. Building crash/burn systems for new users.

Cortana Intelligence Competition:

Decoding Brain Signals, Prize \$5000 (*in total*): <https://gallery.cortanaintelligence.com/Competition/Decoding-Brain-Signals-2>

Stanford HPC Conference 2016(invitee) February 24-25 2016

- *Python and Anaconda Python/Pandas for analysis of data*
- *Tutorials in Data Analysis using iPython Notebooks*
- *Bioinformatic Workflows*
- *Introduction to RISC-V* <http://riscv.org>

Christine Cox :Manager and Event Coordinator

(September 6th 2015, January 16th 2016 & May 2016...on-call for more events!)

Unify Events Center

765 Story Road

San Jose, CA

Vietnamese Weddings: Dishwasher/bus

- 850+ Guests
- Mandarin-French skills used in kitchen
- No dish machine – all manual!!

Adobe Video World. Future Media Concepts Fairmount Hotel, San Jose November 17 - 22nd 2015

- **Event production:**
 - monitoring breakout rooms during sessions, passing out & collecting evaluations, as well as helping with speaker needs and requests.
 - Setup/breakdown of tables, chairs, computers & networks, AV equipment
- **Training & support:**
 - Adobe Premier Pro , Adobe After Effects, WebGL <https://en.wikipedia.org/wiki/WebGL> & other seminars: <http://www.adobevideoworld.com/premiere-pro-world-schedule/>
 - VFX: Intro. Tools by Adobe & How to use them:
 - https://fcspen.wikipedia.org/wiki/Visual_effects
 - <https://vimeo.com/73929094>

Orchestra Palm Court Restaurant 27 E. William St. San Jose Ca 95112 408.288.5606 (Fri – Sun Eves!)

Mark Williams (Manager) <http://www.orchestriapalmcourt.com>

- Prep and dishwasher
- Server & Barista, in-training

Earth Organic Caterer, Emeryville, Ca Aug 2007 GreenFeast Whitcomb Hotel San Francisco: 11/06 - 11/11 San Francisco Organic Food, Wine & Beer Event

- Sous-chef, server & bar support
- Server & Regular Bar Back

Panera Bread San Francisco, Ca September 2006 – Feb 2007 Crispani Chef, Sandwich maker, utility support

Google Mountain View Ca April 2003 – August 2003:

- Dishwasher promoted to Prep-Cook, prep Daily brunch, lunch and pre-dinners at technical site; busing tables,. (Temporary- summer)

Apple, Inc 1 Infinite Loop Cupertino, Ca Contractor: April – September 2007

- Mac OSX (ICTU&D) on Xserves (2000-3000) with Nagios 3.0 monitoring of network traffic
- Backups/Recovery and Migration of servers. Liason to AT&T on connections & trouble-calls.
- Installation of Solaris 10 on IBM BladeServers & System X farm
- Monitoring Apple networks from data center: Heavy use of Mac OSX Tools: Remote Desktop 3, Apple Remote, iChat, iCal: iWork, Time

10 Square Solutions: San Jose - California 1998 - 2000 Contractor: Windows, Solaris, Netapps

Microsoft Exchange Server 5.5 & 2000 (pre-release) Installation & Administration (ICTU&D)¹ and Systems Administration of NetApps F829/F880 FileServer: Production & Development Environments: Windows, Solaris, Unix CVS & SCCS change control software enhanced with in-hour scripting Management of Advent software.: upgrades, statistical analysis on user queries, e-discovery re: complaints/ lawsuits (Perl, SPSS)

Windows Server 2000/ Workstation NT & 2000 installations

Mojave Mac: (Freelance, mostly Mac OS X and Unix/Linux Support) Menlo Park, California (August 2005 – present)

- System Administration: Mac, Unix and Linux servers, Hybrid Mac/Windows configurations and Cloud (DevOps) Administration – Puppet, Casper 9.6.1, CFEngine
- Installing Servers, Networks that are Macintosh, Unix, Linux based. Some Windows integration but, at this point Windows is neither the major focus or strength except in dealing with it's massive security short-comings!
- Building Netboot servers
- Integration of various mobile phones to server for remote/secure logins
- Backups: (at this point in-house Planning for cloud, in the works)

1 Install,configure, test, update and deployment.

- *Desktop Support & R&D Support: OpenOffice (French/English), Microsoft Office & Apple iWorks & R programming (Statistics, BioStatistics), perl, python, ruby & Meteor and Bioconductor (Bioinformatics) programming)*
- *Tutorials & freelance programming: Python, Ruby/Rails, Perl, R programming Hadoop Administration/HIVE scripts.*
- *Apple, Cisco(CCNA, CompTIA A+) & Linux certification pending!*
- *Administration: deployment of images and software for 35+ Mac boxes with Casper 9.61*
- *VMware/VSphere 6, 8.2 running CoreOS & Oracles VirtualBox 4.1: Creating instances of servers (Mac OS X, Linux, Hadoop clusters) for users and testers.*
- **Github Respository** posting (pending): *This is to demonstrate evolution of my coding experience (forks), since some of the present coding is private or proprietary!*
 - *Languages: C, C++, Java, Perl, Fortran 99, lisp-scheme, Bash shell, Regex*
 - *newly learned Languages: Ruby/Rails, R programming/statistics,python*
 - *Currently learning: Julia, D3.javascript, Meteor; DevOps training, iOS/Swift*
- **Projects:** *(Labs used: Biocurious, TechShop, HackerDoJo and Counter Culture Lab)*
 - *Lytro & Orasoptic enhanced microscopy:*
 - <http://news.mit.edu/2011/trillion-fps-camera-1213>
 - *Converting servers scooped out of dumpster into cloud-servers or their components for 1-3u drawers, setting-up web pages and booking clients.*
 - *Mobile Data Center: Developing prototype for War/Disaster areas, reconnaissance with Physicians w/o Borders, Journalists w/o Borders and RedCross*
 - *Development of Nano / Colloidal -based Capacitors*
 - *Epidemiological Database: Tracking viruses as they mutate and migrate across countries: include Zoonotic Diseases*
 - *D.I.Y. Next Generation Sequencing equipment from OpenSource Hardware*
 - *Using Microarrays, Concepts from Douglas Hofstadter's "Godel, Escher Bach" and J.S. Bach's "The Well Tempered Clavier Das Wohltemperierte Klavier" in developing:*
 - *new type Microarray development*
 - *new algorithms & tools for Data Visualization(when you don't understand the data you're looking at!)*
 - *Modeling the Human immune system*
 - *Using FPGA to enhance Machine Learning Algorithms & Complex Data Analysis*
 - *Developing techniques using insects and biomarkers to determine evidence of genocides, mass murders etc.*