Nelson Chen

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Santa Barbara, CA

Education

2008-2012
B.Sci in Computer Science at University of California, Santa Barbara - Santa Barbara, CA
Expected Graduation: Fall 2012

RELEVANT COURSES taken at UCSB:

- CS130 – C++ Data Structures and Analysis
- CS154 – Computer Architecture
- CS162 – Computer Languages
- CS176 – Computer Networks

Experience

UCSB HOUSING RESIDENTIAL NETWORK | SANTA BARBARA, CA

Network Consultant
2009- ...
Helped residents in UCSB Residential Housing get their devices online with ResNet. Developed tools to streamline configuration of these devices for printing to shared printers and to automatically configure the network. Helped physically install switches and hardware in dozens of locations on campus. Internal documentation with regards to networking and procedures was also maintained by me. Assisted users one-on-one in troubleshooting any connectivity issues both simple and complex. Produced automated setup tools for all major platforms to assist in configuration of user systems.

UCSB ASSOCIATED STUDENTS | SANTA BARBARA, CA

Technical Committee Vice Chair
2009-2012
Managed technical aspects of many committee activities including its website and software.
Designed, setup, configure, and maintained a VMWare, Linux, Windows, and pfSense-based network, accompanying virtual machines for file sharing and network traffic management, and devised and improved upon workarounds for problematic network issues for LAN Parties for 150+ attendees for every quarter since Fall of 2009.

BECAUSE OF HOPE (NONPROFIT)| SANTA BARBARA, CA

Technical Support
2012- ...
Maintain existing website and VPS. Drafting and advising plans to help organization save money on website hosting, increase website performance, and provide for the possibliy of easy scaling.

Selected Personal Projects and Contributions

UC SANTA BARBARA SUBREDDIT DESIGN | SANTA BARBARA, CA

Creator and Maintainer
May 2012 - ...
Produced most advanced Python and Ruby framework and deployment tool for developing preprocessed stylesheets and templated markdown for section of website subscribed to by 1,700 users. Said framework is easy to deploy with intuitive and minimal configuration and utilizes accepted standard Python and Ruby support tools. Framework is easy to extend should more advanced functionality be required (e.g. technical rivalries with other colleges). Also produced design and artwork.

UCSB MOODLE GOOGLE CHROME EXTENSION | SANTA BARBARA, CA

Creator and Maintainer
June 2012 - ...
Produced opinionated UI modifications in the form of a Google Chrome extension to University Courseware website. Additions include auto-login, minor usability fixes, quick-menu, and dashboard per course page. Audience of 60+ users.

Interests, Skills, and Hobbies

- **Languages** – Scala, Java, Ruby, Object-oriented C/C++, and Python
- **Operating Systems and Platforms**
  - Debian and Ubuntu Server– Debian Packaging and Administration
  - Mac OS X – Homebrew Recipes and launchd
  - Android – Native Java development.
  - Heroku – Ruby on Rails, Play Framework 2, and small scripts
- **Computer Networking** – iptables, pf, and pfSense
- **IDE** – IntelliJ IDEA, Eclipse, Unix
- **Text Editors** – Vim
- **Databases** – PostgreSQL and SQLite
- **Web Development** – HTML5, SCSS, LESS, Ruby on Rails, Play Framework 2, JavaScript, jQuery, Bootstrap, REST, and JSON
- **Misc. Skills** – OpenStreetMap, git, and LaTeX

References

BENJAMIN PRICE | UCSB HOUSING AND RESIDENTIAL SERVICES

(805)893-5555 – bprice@housing.ucsb.edu