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CHU LIN

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SKILLS: C/C++; MATLAB; HTML/CSS; JAVASCRIPT/JQURY; PHP; VERILOG; R-CODE; SIGNAL PROCESSING.

EMPLOYMENT

San Jose, CA — SUPERMICRO COMPUTER, INC — March 2015 - Present

Validation Engineer (Most Pro-Active Employee of Q3 2015)

- **First person in the team engaged in RedFish infrastructure study**. With rich experience in programming, I built a dedicated server from scratch to help capture web alerts (new feature similar to SMTP alert) when server is in critical state. This script benefits various teams from different department.

- **Partners with IPMI/BIOS team to validate IPMI/BIOS firmware update.** In order to keep clients satisfied, maintenance and updates on firmware is necessary. My team is desired to guarantee new features and updates is working properly before releasing to clients.

- **Cooperates with Intel Corp to scan and report issue of Broadwell CPU.** To ensure the launch date of Broadwell CPU, my team tested Broadwell CPU with different stepping on various platform. Tools for scanning includes but no limited to Linpack (cpu), Stream (memory), Inter-Developer-tool, SPEC-CPU (cpu) and SPEC-Power (power).

- **Team works with Avago to ensure the stability of Storage controller.** Because of the high demand on cloud storage, my team is required to report performance of third party add on card from Avago (LSI) on various platform. Tools for scanning includes but no limited Iometer (speed test) and MSSQLsim(SQL simulator)

- **Supports IT department for customer issues.** Client issues that IT department wouldn't easily solve would forward to Lab. Critical issues that I have solved includes but not limited to BIOS failure causing OS hang, false alert sent by monitoring tool, unreasonable cpu performance, and unavailability IPMI key for Zabbix (3rd party remote platform)

PROJECT

www.xfficient.com — *XFFICIENT* — *Prototype Available*

Chief Designer

Xfficient is a cloud storage that behaves similar to Dropbox

Visit www.xfficient.com with {"username":" demo","password":"demo"} for demonstration

- **Xfficient is capable of directory browsing, file/directory deleting, file/directory renaming and new directory creating.** Basic functions inherited from file browser are all embedded into Xfficient. Users are able to operate Xifficient without learning new implementation.

- **.txt file quick editing unlocks the perk for online file editing.** This function is essentially helpful for users who need to edit their files with easy clicks. To preform quick edit, right click on any .txt file and select Quick Edit. This will bring up an input box; then, users will be able to do quick edit on the note file.

- **It is designed to allow clients to customize their own background.** To attract people with different personality, Xfficient allows users to right-click on any image file and select it for background image. This functionality gives user more freedom of choosing theme of their own homepage.

- **Windows Installer is there to have better UX (WebDAV).** For clients who could like to integrate Xfficient into personal OS, windows installer quickly embeds all the services into OS file browser. Thus, users will be able to access to all the online file without noticing the difference between local storage and cloud storage.

EDUCATION AND PROJECTS

Los Angeles, CA — University of California, Los Angeles — Fall 2012 – Fall 2014

Henry Samueli School of Engineering and Applied Science

- B.S in Electrical Engineering with focus on System and Communication Links, December 2014. ***GPA:3.60***
- **Modern World Digital Watch (FALL 2014).** Digital watch with different modes where user can use it for stopwatch, timer, alarm or current time display, and capable of pause, resume, and tuning the watch in modes using onboard switches and buttons. **Verilog, Xilinx, FPGA**
- **Wireless Microphone to Speaker Network (Winter 2014).** Designed and tested communication channel where user can use it to exchange message between the 2 terminals, and achieved 5 meters apart with 5 bits per second transmission rate. **MatLab, C, DSP broad, TCP**