Shuangxi Ren

Master of Engineering

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Summary

Apply for the Web Developer position (**Sponsorship is not necessary**)

- Extreme passion on web development.
- Good performance on courses with an overall GPA 3.73. Strong self-study and problem-solving ability.
- Two years of work experience as a system engineer for designing and constructing HPC cluster systems. Work under Linux OS using shell command.
- Experience on e-commerce website design and development.
- Proficient in C, Java, HTML, CSS, PHP, JavaScript, shell, SQL.
- Experienced in Python, Matlab.
- Proficient in Windows, Mac OS and Linux. Six years' experience in Linux.

Education

Aug.2015 – Dec.2016   **Pennsylvania State University**, University Park, PA

    M.E., Computer Science and Engineering

Sep.2006 – Jul.2010   **University of Science and Technology of China**, Hefei, China

    B.E., Computer Science and Technology

Work Experiences

Jul.2010–Apr.2012   **China Guangzhou Huizhi Communication Technology Company Limited**

(As System Engineer)

- Designing and constructing HPC cluster systems (over 100 servers) including equipment installation, computer network designing, software deployment and system debugging.
- Monitoring system exceptions using shell command.

Dec.2016–Feb.2017   **E-commerce and auction website development**

(Personal work)

- The website is developed based on LAMP mostly and JavaScript in some parts. CSS is used to style the display.
- To demonstrate my study ability and understand web development languages deeply, I design the website and type the source code on my own without using any templates or models.
- Validation/sanitization of form data, and sql prepared statements are used to prevent XSS attack and sql injection.
- With this website, you can
  - ✓ create a user and sign in
  - ✓ update your personal information

- ✓ upload your items for sale directly or for auction
- ✓ search for items or browse items by categories
- ✓ add items into your wishlist
- ✓ purchase items
- ✓ bid items
- ✓ maintain the delivery process either as a seller or buyer
- ✓ rate and review other users or get rated or reviewed by other users
- ✓ check your order list
- ✓ check your selling list
- ✓ check reviews you get from other users
- ✓ contact other users through messages
- ✓ get system messages during a purchase or bid behavior
- I purchased a domain name as well as the server resources, and put the website on-line, with the address **www.treefig.com**.

Research Experiences

- **Implementation of computer security attacks**
  Use C language and security tools to implement computer attacks including XSS attack, SQL injection attack, Sniffing/Spoofing, TCP/IP attack, Buffer Overflow attack, Return to libc, etc. All the implementations are under Linux.
- **Implementation of bioinformatics algorithms**
  Implement multiple complex algorithms of DNA analysis.

Honors and Awards

- **2011 Outstanding Employee**
  Awarded because I developed a shell script to automatically check large systems. The check time is reduced from two hours to five minutes.
- 2009 Outstanding Dormitory Leader