Hsin-Hua Chen

Dallas, TX 75252

(469)268-0981 • s870031@gmail.com

https://www.linkedin.com/in/hsinhuachen • https://github.com/s870031

Objective

Seeking entry-level engineering position with an established company that will give me the opportunity to utilize my computer science skills and grow within the company.

Education

M.S., Computer Science (Network & Telecommunications Track),　　　　　　　May 2017

The University of Texas at Dallas, Richardson, TX

B.S., Computer Science Information Engineering,　　　　　　　　　　　　　　Jun 2014

Chang Gung University, Taoyuan, Taiwan (R.O.C.)

Work Experience

Application Programmer, Health One Alliance, LLC., Irving, TX　　　　Jul. 2017 - Present
- Skills: C#, ASP.NET 4.5, SQL Server, SVN
- Developed and maintained file validation, file importing and file generating programs for different formats of files including EDI 834, EDI 837 and pipe-delimited text file, etc. to help communicate with CMS government, Claims system and company vendors.
- Automatized 40 processes of file transaction and file processing and saved 20 hours of human labor cost every day.
- Developed an Interface Dashboard Web application and designed the database of the program to help monitor 2000 inbound/outbound file transactions every day.
- Added and enhanced logging on 12 backend programs to record software executing status and to catch exception event for troubleshooting.
- Developed a Web Application for Healthcare Providers to search patient eligibility and healthcare claims.
- Designed ID card Web API for different portals to access and check member eligibility or request ID Card.
- Implemented unit tests in C# to ensure program functionality.
- Engaged in composing release notes and performing stage and production deployment.

Software Engineer, Q-Balancer Co. Ltd., Taipei City, Taiwan　　　　　Apr–July 2015
- Skills: Html, CSS, JavaScript, JQuery, Perl, Linux iptables
- Developed UI and functions of authentication systems on load balancer including different ways (by IP, MAC and multiple devices log in) to log in and lock out accounts from internet access.
- Designed a program to record all the authentication events in log file and send alert e-mail to load balancer administrator(s).

Project Experience

Optimal Network Design program, University of Texas at Dallas　　　　Jan-Feb 2017
- Skills: C++, Floyd-Warshall's all-pair shortest path, Network optimization
- Developed a program which generates optimized network topology satisfying overall optimal link cost with input given number of network nodes, demand of traffic and the cost of each link.

Mutual Exclusion Protocol on Distributed System, University of Texas at Dallas　　May-Aug 2016
- Skills: Java, Socket, Concurrent and Multithread programming
- Implemented Lamport's mutual exclusion protocol and logical clock on distributed system (45 CentOS servers). Processes can enter and exit critical session without conflict.

Skills

- C#, ASP.NET, SQL Server, Html, CSS, JavaScript, jQuery, C/C++, Java, PHP, Perl, MySQL, Linux shell script**,** Git, Web service design, Object-oriented design
- Some experience: GNS3, Wireshark, Android development, Python