

Hsin-Hua Chen

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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

Software Engineer

Apr–July 2015

Q-Balancer Co. Ltd., Taipei City, Taiwan

- Skills: Html, CSS, JavaScript, JQuery, Perl, Linux iptables
 - Developed interfaces and functions for 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 function to record all the authentication events in log file and send alert to load balancer administrator(s) by e-mail.
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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.

Community application for activity invitations, Chang Gung University

Sep.2012–Jan.2014

- Skills: Html, CSS, JavaScript, PHP, Perl, Regex, MySQL, LAMP
 - Developed a community application integrating Facebook, an Android app, e-mail and text messages for users to make invitations to popular restaurant or movies within community easier and more convenient.
 - Performed server setup, website programming, and information extraction using Regular expression in Perl programming language.
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Skills

- Proficient in: C/C++, Html/CSS, JavaScript, jQuery, PHP, Perl, MySQL, ASP.NET, Linux shell script, Git, Android development, Web service design, Object-oriented software design
 - Some experience: Java, GNS3, Wireshark, C#, Python, MPI
 - Native in Mandarin Chinese
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Leadership/ Honor & Awards

- President of 2nd Violin, University of Texas at Dallas Orchestra
- Participant of Hack UTD 2017
- Recipient of scholarship for academic excellence, Taiwan Stock Exchange

Aug 2016- May 2017

Mar 2017

2010-2014