Tong Hou Tse

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Education

University of Hawaii at Manoa
B.S. in Computer Science (Spring 2017)
Relevant Courses: web development, Artificial Intelligence for Games, Security and Trust, Operating Systems, Database Systems, Concurrent Programming, Data Networks, Software Engineering, Algorithms, Program Structure

Technical Expertise

Programming Language: C, C++, Java, C#, PHP, ASP.net, HTML, HTML5, Cascading Style Sheets(CSS), assembly, Common Lisp, JavaScript, Json, Ajax, ArcGIS API
Platforms: Linux, Ubuntu, Microsoft Windows 7, 8, 10, Microsoft server 2008, Unity, cPanel, Visual Studio 2013 and 2015, NetBeans, Eclipse
Database: MYSQL, MS-SQL, Apache Hive(Minor)
Documentation Tools: MS-Word, MS- PowerPoint, MS-Excel
Virtualization Technology: Oracle VM VirtualBox
Language: English, Chinese

Activity

Agathon – Hawaii (01/2018)
- developed an application to track local farmer's products. If any product needed to be recalled, the system will automatically send a notification email to the people or restaurants who have the product
- created a database for the application, established a connection between our app and our database and developed an automated email function using PHP

AT&T Hackathon – Hawaii (03/2017)
- member of Town Talk team
- developed a mobile-base communication application
- set up a server, created a database for the application and established a connection between our app and our database using PHP

Hawaii Annual Code Challenge (08/2017-09/2017)
- Member of Team: UTek
- developed an application that allows people test their internet speed and report no internet server
- built a map that show all the speed tests information to internal users using ArcGIS API, created a database for the application and established a connection between our app and our database using PHP and Ajax
- Project url: www.tonghoutse.com/haccf

Global Game Jam (1/2018)
- created a board game named Transmission, which was a card board game with 2-4 players that teach its players about concepts of how data is transmitted over networks and how they can keep their transmissions secure
- one of the game rule designers to ensure the game mechanism was balanced

Experience	
HP	02/2018-03/2018

Printer Technician
- contracted work with GoodYear
- replaced all old printers to new HP LaserJet M506 Printers
- connected all printers to GoodYear's network

HP   01/ 2018

PC Installer
- contracted work with an industrial distributor
- installed new computers and transferred all data from old computers to new computers at Hawaii branches

Loco Moco   02/2013 – 09/2017

Cashier and IT Specialist
- customer service
- updated menu database and employee database of the restaurant
- created daily log and formed from the database to help track sales
- troubleshooted application and hardware problems

Projects

School Project: Hi voter information table
Language: PHP, JavaScript, HTML and CSS
Database: Mysql   **Platforms:** cPanel
Project URL: http://www.tonghoutse.com/midterm-21141041/
Summary: developed an application to help election volunteers search and update Hawaii voters' information.

School Project: Campus Travel
Language: C#, asp.net   **Platforms:** Visual Studio 2015
Project URL: https://github.com/niko925/CampusTravel.git
Summary: developed a Windows desktop application and website that able to read from database and write to database in Visual Studio.

School Project: develop a Parallel SQL processing system
Language: Java   **Database:** Mysql
Summary: developed a system that can create table, select data and insert data to multi-database in parallel.

School Project: Game in Virtual Reality
Language: C#   **Platforms:** Visual Studio & unity 3D
Summary: developed a game for virtual reality environment using Unity 3D.

School Project: Network Transportation
Language: C, C++
Summary: developed an application that can transport files from one computer to another computer using TCP.