Shih-Tsui Kuo

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SKILLS

C/C++

C#

Java

Python

HTML

PHP

SQL

Javascript/jQuery

Assembly

Verilog

Ruby/JRuby/RoR

Socket Programming

Unix shell script

SOFTWARES

Autodesk Maya

Unity

Adobe Photoshop

Adobe After Effects

Adobe Flash Builder

Adobe Premiere

Eclipse

Visual Studio

Git

SVN

Amazon Web Services

EDUCATION

Carnegie Mellon University, Entertainment Technology Center, Pittsburgh, PA

Master of Entertainment Technology   (E)June 2016

National Chiao Tung University, Master of Computer Science, Taiwan

Master of Computer Science   June 2014

Bachelor of Computer Science   June 2012

ACADEMIC PROJECTS

The Drop, ETC, Pittsburgh, PA   **2015**

- Worked on a 5-person multidisciplinary team to build a first person shooter rhythm games.
- Implemented gameplay with C#, wrote shader with HLSL in Unity.
- Built/animated/scripted 3D models in Maya using Python.

Smart WebTV Controller, NCTU, Taiwan   **2010**

- Developed an Android app to control a webTV/PC on a 3-person team in Java.
- Implemented Google Chrome extension in Javascript.
- Implemented part of the server socket program in C.

EXPERIENCE

Amazon, Seattle, WA   **Summer, 2015**

Software Engineer Intern – Elastic Load Balancing in Amazon Web Services

- Designed and implemented a tool for Amazon Web Services internal use.
- Used NoSQL database to build a dynamically scalable performance auditor.

National Chiao Tung University, National Science Council, Taiwan   **2012-2013**

Research Assistant – Energy Management System in Smart Grid Project

- Implemented program to detect appliance position in household environment.
- Learned machine learning algorithms and used Artificial Neural Network.

National Chiao Tung University, Computer Science, Taiwan   **2013**

Teaching Assistant – Algorithm

- Assisted after-class discussion, handwriting assignment discussion, and C/C++ algorithm implementing assignments.

HONORS

Google Anita Borg Memorial Scholarship, Taiwan   **2014**

- A scholarship from Google that supports females to excel in computing and technology and become active role models and leaders in the field.