Karrie Cheng

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EDUCATION

Texas A&M University – College Station, Texas   May 2016
Bachelor of Science in Computer Science
Bachelor of Science in Economics
Minor in Business Administration
3.603 Cumulative GPR

EXPERIENCE

Sabre Corporation   May 2015 — Aug 2015
C++ Associate Software Developer Intern
- Built a C++ library with internal and Boost libraries to provide local time conversion and information retrieval functions for international airports, taking into account local Daylight Saving Time rules
- Wrote documentation to accompany the aforementioned library which includes details on library creation and usage, sample calls and more
- Created a web application to showcase an API built for the Intern Case Competition

Computer Science and Engineering, Texas A&M University   Sept 2014 — Present
Peer Teacher
- Assisted students in developing a deeper understanding of concepts taught in the 'Introduction to Program Design and Concepts' and 'Structured Programming in C' courses

SKILLS

Languages
- C++
- HTML/CSS
- Java
- JavaScript

Software
- GNU Image Manipulation Program
- Microsoft Office Suite (Word, Excel, and PowerPoint)
- Visual Studio Professional 2010

PROJECTS

Clutch
Web application created using JavaScript, C, and HTML/CSS
- Adjusts Nest Thermostat settings based off of Pebble Smartwatch accelerometer data using Nest and Pebble APIs

WorthTheTrip
Web application created using JavaScript and HTML/CSS
- Finds and suggests attractions along a route for a user to visit and then creates another set of directions including these attractions using Google Maps, Directions, and Places APIs
- Won 'Best Use of Google APIs' at TAMUHack 2014, Texas A&M University's 24-hour hackathon

Sign2Line
Web application created using JavaScript, PHP, and HTML/CSS
- Translates American Sign Language signs into text using Leap Motion's Leap sensor and JavaScript API
- Won '1st Place' and 'Best Leap Motion Hack' at GeauxHack 2014, Louisiana State University's 24-hour hackathon
- Featured as a 'Staff Pick' on devpost.com

Culture Hunt
Web game created using JavaScript and HTML/CSS
- Displays Houston's cultural attractions using Google Maps and Geolocation APIs
- Won 'Boniuk Foundation Grand Prize' at the Houston Open Innovation Hackathon