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
3.555 Cumulative GPR

EXPERIENCE

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

Department of Economics, **Texas A&M University** — Aug 2013 — Dec 2013
Directed Studies Student Consultant under the guidance of Dr. Dennis Jansen

- Identified areas on which Johnson City, Texas could improve to encourage business growth and tourism
- Created and presented a comprehensive economic development plan for the aforementioned city

SKILLS

Languages

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

Software

- Adobe Photoshop Extended
- GNU Image Manipulation Program
- Microsoft Office Suite (Word, Excel, and PowerPoint)

PROJECTS

WorthTheTrip
In-progress 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 ChallengePost.com

CultureHunt
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

Arranged Chairriage
In-progress 2D bin-packing algorithm represented using JavaScript and HTML/CSS

- Maximizes intra-group communication in a stadium seating setting