Tongtong (Connie) Zhao

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Objective

To seek an intern opportunity of Software Engineer in the Spring or Summer of 2017. Have interests in and experience with web development, data science and interactive visualization.

Education

Georgia Institute of Technology, Atlanta, GA *Jan 2016 - Dec 2017(expected)*
- Dual Major: Candidate for B.S. in Computer Science and B.S. in Discrete Math
- Computer Science threads in: Intelligence and Media with Overall GPA 3.77 and CS Major GPA 3.87
- Dean's List, Faculty Honors

Georgia State University, Dunwoody, GA *Aug 2014 - Dec 2015*
- A.S. in Computer Science with GPA 4.0

Shanghai Jiao Tong University, Shanghai, China *Sep 2010 - June 2014*
- Bachelor of Science in Automation(Control Science and Engineering) with GPA 3.52

Skills

- Languages: Java, Python, JavaScript, HTML, CSS, C++, Swift, Assembly, C#, Matlab
- Tools and Frameworks: Agile Methodology, JavaFX, Bootstrap, MySQL, AngularJS, Node.js, jQuery, Unity3D, Processing, Numpy, OpenCV, PyGame, Gradle

Projects

Movie Selector *May 2016 - Aug 2016*
Implemented by using JavaScript, Node.js and HTML/CSS
- Implemented a web application that allows logged-in users to view, search and make comments on movies
- Full-stack web developing experience with MySQL for database, JavaScript for front end and Node.js for back end.
- Utilized Bootstrap to create custom webpage layouts
- Utilized Rotten Tomatoes REST API to get movies data and Facebook Authentication API for user login

RunBuddy *May 2016 - Aug 2016*
Implemented by using Swift
- Implemented an iOS app using procedurally generated audio to help users improve their performance while running
- Recreated instruments from Digital Audio Workstation Logic Pro X to create synthesizers
- Utilized AudioKit to generate audio for running and Core Location to determine user's position and heading

Eyes Fatigue Detection *Feb 2015 - May 2015*
Implemented by using C++ and OpenCV
- Utilized Haar features and AdaBoost cascade classification algorithm to detect the face region and eye area
- Utilized tree-based Haar classification library and related xml signatures for training classifier

Experience

Learning and Tutoring Center at Georgia State University, Dunwoody, GA *Nov 2014 - Nov 2015*
Math and Computer Science Lead Tutor
- Assisted students in one-on-one tutorial sessions in Calculus, and Object Oriented Programming using Java

Junyi Technology Co.,LTD Hainan, China *Feb 2014 - May 2014*
Technology Intern
- Implemented a web application that populates real estate data to MySQL database and displays data features
- Integrated AngularJS with D3.js to realize data visualization

Shanghai Jiao Tong University, Shanghai, China *Jan 2012 - Dec 2012*
Research Assistant
- National Innovational Project to build an application to analyze the ultrasonic signal for surgery
- Developed an algorithm to find the thickness of subcutaneous tissue under certain area of the body
- Communicated and colabrated with team members from different schools of what had been accomplished every week

Activities and Honors

- Member of Association for Women in Mathematics and Mathematical Association of America
- Member of Women at the College of Computing, Georgia Tech
- 2014-2015 Student Mathematics League AMATYC 1st winner in Georgia, 2nd winner in the Southeast of U.S.
- Co-authored paper *Symbolic Register Monitoring in JRE Native Vulnerability Mining* on China Information Security
- Member of Phi Theta Kappa Honor Society