**OBJECTIVE:** Seeking a full-time position to further my knowledge of software development

**EDUCATION:**

**Southern Methodist University** Dallas, TX

Bobby B. Lyle School of Engineering GPA: 3.88

Master of Science in Computer Science Grad date: May 2017

**Shenzhen University** Shenzhen, China

Bachelor of Engineering in Integrated Circuit Design and Integrated System Grad date: May 2015

**Technical Expertise:**

Programming Skills: C, C++, R, Objective C, Swift, Python, Verilog, Embedded System, FPGA, etc.

Operating Systems: Windows, Linux, Mac OS

Related Courses: Computer Graphics, Compiler, Algorithm, Data Mining, Cloud Computing, File Organization and Database, Operating System, Computer Network, Data Structure, Computer Architecture, Linux Operating System

**Engineering Project:**

To Do List – iOS Application, Swift, Core Data, UITableView, UINavigationView 01/2017-02/2017

* Local notification will be delivered at the deadlines
* Customized UITableCell to display information of tasks
* Used autolayout to fit all screen sizes

Library Management System – Python flask, SQLite, Bootstrap 08/2016-12/2016

* Responsive design, adapted to all device includes mobile
* Books location query, data population
* Access control, only admin can access key pages
* Authentication system, remember login status, only store salted-hash password

Wireless Sensor Network Distribution – Swift, SceneKit, iOS-Chart, Algorithm 08/2016-12/2016

* Generating random graph in specified pattern
* Smallest-last ordering and coloring algorithm – coloring graph efficiently
* Used SceneKit to display graph, iOS-Chart to display statistical information

Game Asteroid – OpenGL, glfw, sfml, C++, STL 02/2016-05/2016

* Employed basic lighting, shadows with OpenGL, glfw
* Acceleration, resistance, velocity, wrapping – motion control and keyboard reaction
* Sounds of shot, explosions by sfml library

Detecting Face and Automatically Pixelate on iOS – Objective C, UIKit, Core Image 03/2015-06/2015

* Developed an application to detecting human’s faces and automatically pixelate them
* Used CIDetector class to detecting faces and CIFilter to process image
* Adapted UI to iPhone 4, 4s, 5, 5s, 6, 6 Plus
* Distributed on App Store once

**WORK EXPERIENCE:**

Shenzhen SNEWFLY Information Technology Co., Ltd. 07/2014-08/2014

* Participated in the product development, such as omnipotent infrared remote controller
* Enhanced programming skills in C, C++ and embedding systems