

# Jiaxing (Chelsea) Wang

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## Education

**Duke University, Durham, NC**

May 2020

Master of Science Electrical and Computer Engineering, Computer engineering Track GPA: 3.5/4.0

Relevant Courses: *c++ data structure; fundamentals of computer system and engineer; system engineer; human center design*

**Beijing University of Technology, Beijing, China**

July 2018

Bachelor of Engineering in Automation

GPA: 3.7/4.0

Bachelor of Economics in Finance (Second Major)

## Skills

### **Programming Languages:**

Proficient: c++, Ruby, Html, Css Intermediate: Python, Java Beginner: JavaScript, Keil

### **Software/Toolkit:**

Linux, Emacs, Git, Selenium, Capybara, Cucumber, TCP/IP, socket programming, MATLAB,

## Internship

**Sunbird Software, Inc (css, html, ruby)**

Raleigh, NC

**Automation web testing Intern**

May.2019 – Nov.2019

- **Wrote** Black-Box & White-Box tests using Rspec (Ruby) with Capybara (and Selenium) to automate the web manual tests in poweriq\_web project (a data center infrastructure management web app)
- **Wrote** Python & Shell script and used Zephyr for JIRA to migrated the test cases from TestLink to JIRA (an agile software)
- **Created** VMware testing box using vSphere Client, **maintained** and **updated** the system log to keep the testing box in track

**Pearl Capital Business Funding, LLC. (JAVA)**

New York, NY

**Intern in the advanced analysis research projects group**

Aug.2016-Sep.2016

- Focused on developing tools related to quantitative models for subprime credit analysis and scoring **using JAVA**
- Completed the development of an **XML based parsing language** for OCR analysis of PDF bank statements of BBVA Compass Bancshares, Inc

## Relevant Projects

**The Child, Health Education and Surveillance App (CHEST)**

Jan.2019- May.2019

- Designed an android app to allow user to record and update children's health indicators calculate d the health condition accordingly.
- Implemented a function to broadcast education videos and pictures according to user's profile age.

**Command Shell Implementation In C++**

Nov.2018- Dec.2018

- Designed a system which could handle parent and child processes using fork, execve and waitpid system calls
- Captured and assessed user's input and execute the command, which is identical to the bash
- Implemented a function which could change environment variables as well as alter the user's input after the initial setting.

## Honors&Awards

- Admission Tuition scholarship from Duke university 2018
- Japan TIS Enterprise Scholarship for Scientific and Technological Innovation 2017
- Meritorious Winner in Mathematical Contest In Modeling (MCM) 2016