

WEI MIAO

WORK EXPERIENCE

AUGUST 2017 – DECEMBER 2017

CU SCIENCE DISCOVERY, Boulder

Coding Club Instructor

Led an after-school coding club at Angevine Middle School. Taught students coding concepts and computational thinking skills. Improved students' coding skills by practicing on several coding platforms including Scratch, Swift Playgrounds, App inventor, Arduino, etc.

MARCH 2017 – JULY 2017

STRYD, Boulder

Mobile Software Engineer Manufacturing Manager

Developed on-boarding tutorial for Stryd product in the iOS and Android app. Prototyped an Apple watchOS app that can connect to a wearable device via Bluetooth. Conducted product testing and managed the process of product manufacturing in Shenzhen, China.

MARCH 2015 – AUGUST 2017

ROBAUTO, Boulder

Robotics Engineer

Responsible for educational robot platforms development. Built a robot operation system based on Raspbian. Developed a Web UI and an Android app for controlling the robot. Designed and built robot prototype with 3D printing and laser cutting. Led and organized robot workshops for kids and families at local libraries and elementary schools.

FEBRUARY 2011 – JULY 2013

PACTERA, Beijing

Software Engineer in Test

On-site contract job at ST-Ericsson for mobile phone modem firmware integration testing. Technical support for customers.

JULY 2010 – JANUARY 2011

BEYONDSOFT, Beijing

Software Engineer in Test

Led functionality and localization testing for SkyDrive (Microsoft).

RELEVANT COURSEWORK

- Web Front-End Development
HTML, JavaScript, jQuery, React, Node.js, Vue.js
- Object-Oriented Programming
In C++
- Mobile App Development
iOS and Android

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SUMMARY

Looking for a software engineer internship position. Has developed several web and mobile apps, including a web-based robot control system using Raspberry Pi and a webcam.

EDUCATION

2017 – 2019	Tech, Media and Society MASTER OF SCIENCE <i>Anticipated Graduation: 2019</i> <i>Running GPA: 3.9/4.0</i> ATLAS, CU Boulder
2006 – 2010	Computer Science BACHELOR OF SCIENCE <i>Jilin University, China</i>

SOFTWARE SKILLS

GOOD LEVEL	Java, JavaScript, HTML, CSS, React, Node.js, Vue.js, Chart.js, Xcode, Swift, Android Studio, Git, SolidWorks, Firebase
INTERMEDIATE	Python, C, C++, OpenGL, Unity, MySQL, Linux

PROJECTS

Web Development

Job Hunting Assistant: Help users to manage and track their job applications. (*HTML, CSS, Bootstrap, jQuery, Firebase*)

Trivia game: Two player trivia game. (*HTML, CSS, Bootstrap, Vue.js*)

REAL: Scientific time series visualization. (*Chart.js, Node.js, MySQL Server, HTML, Bootstrap*)

Mobile App Development

Android: Weather Report App. (*Android Studio, Open Weather API, Google Map API*)

iOS: Clothes Management App. (*Xcode, Swift, Firebase*)

iOS: Words Filling Game. (*Xcode, Swift*)

Product Design

Fresh-IO: Smart indoor gardening system. (*Arduino, Android Studio, SolidWorks, Woodwork*)

Quiet clock: Noise level monitor for Libraries and Study rooms. (*Arduino, Laser cutting*)

PWD-Cube: Smart password safe for multiple social accounts. (*Arduino, 3D design and printing, Android Studio*)

COMMUNICATION SKILLS

MANDARIN	Native speaker
ENGLISH	Oral: good – Written: good