

WEI MIAO

WORK EXPERIENCE

JUNE 2018 – AUGUST 2018

Adams Online Ventures, Remote

Software Engineer

Developed an ETL pipeline for customer data using Python. Extracted, preprocessed data from files in different formats/schemas. Loaded the transformed data into MySQL.

MARCH 2017 – JULY 2017

STRYD, Boulder

Mobile Software Engineer

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.

MARCH 2015 – AUGUST 2017

ROBAUTO, Boulder

Robotics Engineer

Responsible for educational robot platforms development. Built a robot operating system based on Raspbian. Developed a Web UI and an Android app for controlling the robot. 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

Led mobile phone modem firmware integration testing for ST-Ericsson.

JULY 2010 – JANUARY 2011

BEYONDSOFT, Beijing

Software Engineer in Test

Led functionality and localization testing for SkyDrive (Microsoft).

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)

Information Visualization

Web based visualization: Yelp Rating Prediction and Visualization. (Python, HTML, D3.js)

📍	ATLAS – UNIVERSITY OF COLORADO BOULDER
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SUMMARY

Looking for a software engineer internship/full-time position. Proficient in Web and Mobile App development.

EDUCATION

2017 – 2019 Creative Technology and Design
MASTER OF SCIENCE
Anticipated Graduation: 2019
Running GPA: 3.9/4.0 ATLAS, CU Boulder

2006 – 2010 Computer Science
BACHELOR OF SCIENCE
Jilin University, China

RELEVANT COURSEWORK

- Design and Analysis of Algorithms
- Applied Machine Learning
- Information Visualization
- Big Data Architecture
- Web/Mobile App Development

SOFTWARE SKILLS

- Programming Languages:
Java, Swift, JavaScript, Python, C, C++, HTML, CSS
- Frameworks/Library:
Node.js, React, Vue.js, D3.js, Pandas, Plotly
- Tools:
Xcode, Android Studio, MySQL, Firebase, OpenGL, Unity, Tableau, Linux, Git, SolidWorks

TEACHING EXPERIENCE

JUNE 2018 – AUGUST 2018

Department of Electrical Engineering, CU Boulder

Teaching Assistant

Designed lab contents for Digital Design Lab using C and Java. Helped manage the course and instructed students.

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.