

# Dingjun Bian

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## EDUCATION

**Boston University College of Engineering**

**Expected May 2021**

Master of Science, Electrical and Computer Engineering | **GPA:3.75/4.00**

**Zhengzhou University School of Information Engineering**

**June 2019**

Bachelor of Engineering, Electronic Information Engineering | **GPA:3.43/4.00 (top 2/147)**

## Awards & Scholarship

National Encouragement Scholarship (Twice); Merit Student Award, Henan Province; Outstanding Students of Zhengzhou University (Twice); Outstanding Students Cadre of Zhengzhou University (Twice)

## COURSEWORK

Advanced Data Structure and Algorithm (Java), Machine Learning, Design by Software (C++, Python), Robot Learning and Vision for Navigation, Product Design ECE, Building Software, Computer Engineering Foundations

## SKILLS

Languages: Java, C++, Python, JavaScript, C, Verilog (basic) and Assembly Language (LEGv8) (basic)

Tools: MATLAB, Microsoft Office

## PROJECTS

### Smart Media Player

**March 2020 - May 2020**

- A smart media player written in Python
- Using yolov3 to detect and tag all the objects in the videos, store the information in our SQLite database.
- Users can search for video with any particular content and the video with pop-up.

### Language Correction App

**March 2020 - May 2020**

- Written in Java to check the correctness of any given sentence
- Build a web crawler to extract correct sentences and phrases. Processed and stored the phrases in our database
- Check the correctness of the sentence according to our database and common grammatical errors

### Covid-19 Tracker App

**May 2020 - June 2020**

- A react native app to show real time covid-19 cases around the world
- Used Google Map API and covid-19 API to display real time cases per country on the map and a live summary

### Training Android app

**October 2019 - November 2019**

- Created an Android app for people who want to find or create activities with Java and XML
- Chose firebase for backend and firebase OAuth to authenticate
- Used google map API to show activities on map

### 3D Printing Lunar Lamp Controlled by Infrared Gesture

**October 2017 - December 2017**

- Managed gesture identification and signal infrared transmission by means of Arduino Nano, infrared correlation tube and APDS9960
- Programmed via C++ language and conducted NEC coding in infrared part

## WORK EXPERIENCE

**Zhengzhou Information & Engineering Intelligent System Co., Ltd.**

**March 2018 - February 2019**

*Engineering Intern*

Design, manufacture and test embedded systems

For water environment detection system

- Drew schematic diagram with Altium Designer
- Designed PCB board and achieved its function based on STM32F407
- Programming via C language and conducted test