



Gaopeng Bai

Algorithm Engineer,
Software Engineer

- Jan 21, 1992
- Otto-keller Str. 5, 47057
Duisburg, Germany
- +49 170 821 4231
- <https://gaopengbai.com>
- gaopengbai0121@gmail.com

Languages

- Chinese ● ● ● ● ●
- English ● ● ● ● ●
- German ● ● ● ● ●

Hard Skills

- Ambitious, Challenger
- Strong sense of responsibility and concentration

Soft Skills

- Programming-L ● ● ● ● ●
 - Python, Java, Js/Ts, C#, C++, Matlab, HTML, CSS
- Machine Learning(GPU) ● ● ● ● ●
 - Image Processing
 - Meta Learning
 - Recommendation System
- Full-stack Development ● ● ● ● ●
 - Reactjs/ts, Asp.net, flask, bootstrap
- Software Development ● ● ● ● ●
 - Android, Microsoft Application
 - VBA for office Excel
- Embedded System ● ● ● ● ●
 - Internet of Things
 - Micro-controller & Ubuntu OS

Working Experience

- May 2020**
Software Engineer & Full stack development
Technidoo solutions(Full-time job)
Present
Full-stack development with React, Asp.net and Python Flask, Bootstrap, JQuery.
Image processing with Opencv for OCR projects.
Machine learning for image classification, object detection.
Crawler with python
- Jun 2019**
Algorithm Engineer & Project Management
Duisburg University(Student-job)
March 2020
Project management and planning, and also design machine learning algorithms.
Image processing algorithms of the neural network that include Object detection, Image caption, Image classification.
Meta-Learning to recognize the behavior of the environment (Collect data from sensors).
Python-QT GUI.
- Jan 2019**
Software Engineer
Huawei(Student-job)
Apr 2019
Maintain software developed by my own.
Develop new Robotic Process Automation (RPA) software.
- Jun 2018**
Software Engineer & Project Management
Huawei (Internship)
Dec 2018
Develop RPA (Robotic Process Automation) and Macros of VBA for excel tools to automate office work.
Troubleshooting and addressing problem of transmission trail in mobile communication.
- May 2015**
Embedded System Engineer
Shield Smart Haus
May 2016
Android application as the client control every electronic device in a room.
Wireless sensor network and electronic circuit development.

Education

- 2016 – 2019**
Master Studies Embedded System Engineering
University of Duisburg-Essen
Focus: Advanced Embedded System Learning and Research.
Master Thesis
Interactive Systems department
Meta learning for next song recommendations (Research on the Application of Meta-learning Algorithms in Song Recommendation).
- 2012 – 2016**
Bachelor Studies Electronics and Communication Engineering
Zhengzhou University
Focus: Basic study of electronics and communication technology and research on the direction of the Internet of Things.
Bachelor Thesis
Information Technology department
A complete set of smart home embedded systems based on Android application.