

Boyan Zhou

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Education

Nanjing University, Nanjing, China

September 2016 – June 2020

- B.S. in Electrical Engineering
- GPA: 4.50/5.0 (rank 4/71)

University of California, Berkeley, CA, United States

January 2019 – May 2019

- Courses:
Efficient Algorithms and Intractable Problems, Optimization Models in Engineering, Data Structures
- GPA: 4.0/4.0

Work & Research Experience

Tencent Co., Ltd

Shenzhen, China

Full-time Software Engineer, Android Group

September 2020 – present

- Design, develop, test, deploy, maintain several major components, systems, and features of QQ (an instant messaging software with 300 million daily active users) and its SDK
- Maintain and support Java development environment and best practices, such as Ant, Maven, Sonar, ProGuard and other open source tools
- Contribute to the Refactoring Program of QQ, decoupled more than 10000 lines of code

Dimension 5 Network Technology Co., Ltd

Nanjing, China

Software Engineering Intern, 3D Model Group

May 2020 – August 2020

- Implemented a 3D material converter plugin for Maxon Cinema 4D using C++
- Developed a built-in auto-update feature in the plugin
- Built a Continuous Integration (CI) system for automatic compiling, testing, packaging and deploying using Python scripts

Nanjing University

Nanjing, China

Password Generation with Wasserstein GAN [\[link\]](#)

September 2019 – May 2020

Advisor: Prof. Sidan Du, Dr. Chenglei Peng

- Proposed a model that learns the distribution of real passwords from password leaks
- Trained a GAN that employs GRU for both generator and discriminator using curriculum learning
- Evaluated the generated passwords by its intersection with real datasets.

Mitochondria Track Prediction Based on HMM [\[link\]](#)

June 2019 – September 2019

Advisor: Prof. Yang Li

- Performed single-particle tracking with TrackMate using DoG detector.
- Trained a Hidden Markov Model (HMM) to fit the track and for further prediction and analyzing.
- Derived the maximum likelihood estimation of target parameters from an HMM

Technical Strengths:

Programming Languages: Java, C/C++, Python, Kotlin, Verilog, Matlab, Assembly

Frameworks: Spring, Qt, Flutter, PyTorch, Tensorflow, OpenGL, OpenCV

Platforms: Android, Windows, Linux, iOS

Honors

Xuxin International Communication Scholarship: 20 out of 3200 graduates won this award.

First-Class Renmin Scholarship (2018): 7 out of 200 students in department won this award.

First-Class Renmin Scholarship (2017): 2 out of 200 students in department won this award.