

# Zhenghao Lin

**COOP Availability:** May 2022 - Aug 2023

**Address:** San Jose, California

**Linkedin:** [www.linkedin.com/in/zhenghao-lin](http://www.linkedin.com/in/zhenghao-lin)

**Number:** 669-246-0202

**Email:** [lin.zheng@northeastern.edu](mailto:lin.zheng@northeastern.edu)

**Github:** [github.com/gyouzazuoyg](https://github.com/gyouzazuoyg)

## Education

### ***Candidate of Align Master of Science in Computer Science***

Sep 2020 - present

*Northeastern University* | San Jose

*Khoury College of Computer Sciences*

Current GPA: 4.0 / 4.0

Core courses: Intensive Foundations of CS, Discrete and Data Structures, Object-Oriented Design, Data Structures Algorithms and Their Applications Within Computer Systems.

### ***Bachelor of Science in Electronic Science and Technology***

Sep 2015 - Jun 2019

*Shanghai University of Electric Power* | Shanghai

*College of Electronics and Information Engineering*

Overall GPA: 3.51 / 4.0

Core courses: Linear Algebra, Advanced Mathematics, Probability and Statistics, C Language Programming, TCP/IP and Internetworking, Complex Function and Integral Transformation, Application and Development of FPGA, Theory & Application of MCU, Embedded System & Application, Embedded System Design Practice.

## Work Experiences

### ***Fuji Xerox Software Development Center Of China | Software Engineer*** | Shanghai

Jul 2018 - Sep 2019

Jul 2020 - Sep 2020

#### ***iDPF printer driver***

*Development Environment:* Visual Studio, C, C++, WIN32 API, WinDDK

- Developed iDPF windows printer driver project for A4/A3 printers using C++, C, and WinDDK (Windows Driver Development Kit). Implemented UI module using C++, rendering module using C.
- Implemented new features. E.g.: encrypted watermark rendering, booklet making, special pages arrangement, remote job management, etc.
- Migrated C code and DLLs into C++ to improve development productivity.
- Backported new features and security updates for printer drivers from C++ version to older C version.
- Responsible for code maintenance and incoming user tickets, including difficulty evaluation, solution design and implementation.
- Improved accessibility of driver UI to comply with the U.S. Section 508 accessibility policies.
- Authored and maintained internal project documentations with detailed processes and procedures for reference by internal team members.

#### ***PDCT driver configuration tool***

*Development Environment:* Visual Studio, C++, WIN32 API

- Developed driver configuration tool to enable users to create customized printer drivers.

#### ***Intracompany auto-test tool***

*Development Environment:* python 3, Windows batch

- Developed an auto-test tool, which can check the timestamp, brand name, and file names, to accelerate testing process for testers using python, Windows batch, and Beyond Compare.

## Project Experiences

### ***Facial Expression Recognizer Based on Deep Learning***, *Shanghai Univ. of Electric Power* Mar 2019 - Jun 2019

*Development Environment:* python 3, keras, tensorflow

- Designed a neural network facial expression recognition model based on keras with 82.56% accuracy on Fer2013 facial expression dataset.
- Developed a python crawler to assemble Asian face samples with emotion tags dataset from web pages.
- Developed a demonstration python program using OpenCV to recognize facial expression through camera and visualize the result.

## Technical Skills

Programming Languages: Java, C++, C, Python

Development Environments: IntelliJ IDEA, PyCharm, Visual Studio