

# Zhi-Yi Chin (Joyce)

Developer & Undergraduate Student

## SELECTED PROJECTS

### Google CodeU Calendar Helper — *Building Webapp*

MAY 2019 — JULY 2019 | Google CodeU program  
<https://github.com/joycenerd/team-49-codeu>

- Collaborated with a team of peers to design and implement a web application using Java, JavaScript, HTML and CSS over the course of 10 weeks, leveraging various Google Cloud Platform APIs, including App engine and Datastore.
- Practiced industry best practices such as: contributing to open source software using Git and GitHub, conducting code reviews with/for teammates, extending an existing codebase, participating in distributed development, designing new components and interfaces and leading them to completion.
- **Tech Stack:** Java, Javascript, HTML, CSS & Git

### Analysis of Air Pollution in Taiwan in the Past Three Years — *Data Science + Statistics*

Final Project for Statistics Lecture 2019 Spring  
<https://github.com/joycenerd/air-pollution-analysis>

- Collaborated with a team of peers to analyze the air pollution in Taiwan in the past three years from the dataset provided by Taiwan Air Quality Monitoring Network.
- Using Python as tools and Statistics knowledge in class to finish the project and surprisingly found out that the air pollution level isn't as bad as all the news said.
- **Tech Stack:** Python and Jupyter Notebook

## SKILLS

- **Programming Languages:** C (fluent), C++ (fluent), Python (capable), HTML & CSS (capable), Java (intro), Javascript (intro), Go (intro), MATLAB (intro)
- **Development:** Android, Jupyter Notebook, Git, Maven, Bash, Front-end Web, Webapp
- **Machine Learning:** Numpy (capable), Pandas (capable), scikit-learn (intro), Pytorch (intro)

joycenerd@csie.io

+886972752710

linkedin.com/in/joyce-chin-b7927645

github.com/joycenerd

## EDUCATION

### National Chung Cheng University, Taiwan

BS. in Computer Science

AUGUST 2017 — JULY 2021

> Honors: Presidential Honor Award  
(1<sup>st</sup> and 2<sup>nd</sup> semester in Academic Year 2017-2018 and 2018-2019)

> GPA: 4.15/5.0

## CO-CURRICULARS

### National Chung Cheng University

Student Research

AUGUST 2019 — CURRENT

### CCU CSIE Programming Student Group

Mentor & Group Member

SEPTEMBER 2017 — JUNE 2019

## SELECTED COURSEWORK

Algorithms

Digital Design (Verilog)

System Programming (C)

Object Oriented Programming (C++)

Statistics (Python)

Data Structure (C)

Assembly Language (ARM)

Probability Theory

Program Design I & II (C/C++)

Linear Algebra

Discrete Mathematics

Introduction to Linux