

# JUSTIN CHIA CHENG ZE

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## PROFESSIONAL SUMMARY

I am a highly motivated and analytical Final-Year NTU student majoring in Biological Sciences. I have a strong passion for healthcare and am proficient in data analytics in R, Python, Tableau and SQL. In addition, I developed good inter-personal skills when I represented the student as the Biological Sciences Club President. I am confident that I will be able to use my data science and other digital skills to make contributions to your company with my wide skill sets.

## WORK EXPERIENCE

### **Data Science Intern**

**Dec 2020 – Present**

Infocomm Media Development Authority (IMDA)

- Developed Python scripts to automate analysis by reducing time spent from 1 week to just 15 minutes
- Developed a database API in a Tkinter GUI app in Python that connects to an SQLite database and performs automated routine graph plotting

### **Data Analytics and Quality Intern**

**Mar 2020 – Aug 2020**

Agency for Integrated Care (AIC)

- Successfully reduced time spent on generating of 67 Nursing Home survey reports from 1 entire month to just 15 minutes
- Developed a fully automated R script to clean, aggregate, and export a total of 1000+ graphs into 67 reports in PowerPoint
- Performed extensive automated statistical analyses on survey data

### **Data Visualization Intern**

**Dec 2019 – Feb 2020**

Duke-NUS Medical School

- Developed documentation and improved the code for a machine learning R package software
- Developed a Shiny Dashboard Web Application that does clinical predictions of emergency medicine data

### **Data Science Research Intern**

**May 2019 – Aug 2019**

Nanyang Technological University (NTU)

- Developed data processing pipelines for analysis of breast cancer genomic datasets of 30,000 genes

## EDUCATION

### **Bachelor of Science (Hons), Biological Sciences**

**Aug 2017 – May 2021**

Nanyang Technological University

### **Diploma in Biomedical Science**

**Apr 2012 – Apr 2015**

Temasek Polytechnic

## VOLUNTEER EXPERIENCE

### **President and Honorary General Secretary**

**Sep 2017 – Sep 2019**

Biological Sciences Club, Nanyang Technological University

- Oversaw the management of over 300 committee members in handling matters of the club
- Kick-started a Bio-Hackathon Committee to promote digital transformation in student's lives through big data

## AWARDS AND CERTIFICATIONS

- ASEAN Data Science Explorer Competition 2019 Singapore National Finalist (Access deck [here](#))
- Best Airman Award For 2017 by Republic Singapore Air Force
- TF-LEARN Scholarship by Temasek Foundation
- Certified Data Analyst awarded by Wiley
- Data Analytics Course by Smartcademy (Distinction)

## SIDE PROJECTS

- [Portfolio Website](#)
- [Bird Watching Blog](#)
- [Yonah Creative Instagram Page](#)
- [Gaming YouTube Channel](#)
- [Self-Coded Blog](#)
- [Tableau Public Dashboard](#)

## SKILLS

- Excellent leadership and inter-personal skills
- Self-motivated and analytical attitude
- Self-learner and self-starter
- **Tech:** R, R Shiny, Python, SQL, Excel, Tableau, Google Analytics, Bash, SPSS, SAP Analytics Cloud, HTML, CSS, and GitHub
- **Other Digital Skills:** Shotcut, Kapwing, Canva, Photopea, Procreate, Pixlr, Wordpress, Blogger, SEO