

# Jeremy Choo Wun Ka

<https://choojeremy.github.io>

(Home) 64674305 (Mobile) 88381366 (Email) ChooJeremy6@Gmail.com

---

## EDUCATION

### **National University of Singapore, Singapore**

**Aug 17 – May 20**

Bachelor of Computing in Computer Science, Artificial Intelligence & Software Engineering focus area.

CAP: 4.87/5.00 (Honours (Highest Distinction))

Received an honourable mention in NUS's Orbital, a software development project sponsored by Google.

### **Ngee Ann Polytechnic, Singapore**

**Apr 12 – May 15**

Diploma with Merit in Information Technology

GPA: 3.97/4.00

I was a Technical Lead in Microsoft Student Partners and Executive Committee in Overflow, NP's Hack Club.

## HIGHLIGHTED WORKING EXPERIENCE

### **Shopee, Engineer**

**Jun 20 – Current**

Worked on Shopee's promotion platform, including flash sale and exclusive price. Handled code migration from older platforms to newer ones, focusing on improving efficiency and maintainability.

### **Yitu, Intern**

**Jun 19 – Aug 19**

Utilized Kubernetes to perform benchmarking with several different configurations. Upgraded a low-level MPI (networking) interface in C++ to support multi-threading for higher speeds, along with an expanding buffer pool to reduce CPU cycles with the goal of also supporting disconnection and re-connection of clients.

### **Business Analytics Translational Centre (A\*STAR), Developer**

**Apr 14 – Jul 14**

Developed a prototype career planning tool for students using Python, HTML, CSS and JavaScript, allowing students to view other's career progression. Constructed a bot to scrape data off LinkedIn (with permission) to find trends among education and compare Singapore schools against each other.

## KEY PROJECTS

### **Teammates (Feedback Management Tool)**

**Jan 19 – Current**

<https://github.com/TEAMMATES/teammates>

Contributor to an open source project teammates, which is an online peer evaluation and feedback tool, used by 250,000 users in 1,773 institutions over 96 countries.

### **NIDS-ML (Machine Learning)**

**Sep 19 – Nov 19**

<https://github.com/ChooJeremy/NIDS-ML>

A Network Intrusion Detection System built to detect malicious traffic from normal traffic. It utilizes an autoencoder to perform feature reduction for time-series data and an ANN to do classification. It achieved 0.94 accuracy.

### **PoxBrain (Database information retrieval)**

**Feb 17 – Jun 17**

<https://github.com/ChooJeremy/PoxBrain>

Developed a website with online search capabilities for the online game PoxNora. Accomplished a guided search to search for items that met as much of the input criteria as possible. Built with HTML, CSS, JavaScript and PHP.

## SKILLS

Working knowledge with Go, Java, C#, C++, Python, PHP, HTML, CSS and JavaScript.

Thorough experience with Microsoft Word, PowerPoint and Excel.

Working Knowledge using Photoshop, Git, Trello, Unity, Docker, Kubernetes and Keynote

Good skills in report writing and oral presentation.

Six years of experience in programming.