So Nozaki
Computer Engineering Student

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I am a 3rd year Computer Engineering student at UBC.

🎓 EXTRACURRICULAR

2017	Highest score in IGCSE exam among 3000 students in highschool
2018	Highest Top 5% GPA in highschool
2018/19	**Overall 83% GPA** in First year Engineering at UBC
2018/19	Co-founded **Sports Programming Club** during my first year and our club team ranked 10th (Above Standford and UC Berkeley) in **ICPC Northwestern Regionals**. In a weekly club practice session, I have taught Java and C++ to more than 20 students.

☰ SKILLS

Hardware Design	ARM assembly, X86. **Intel FPGA Tools :** Quartus and ModelSim. **Operating System :** Windows, Linux. Have done embedded Systems project using rasberry pi and python.
Software Design	2 years of experience in Java, C/C++, Python. **Web Development :** Python flask, JSON, JavaScript, Node.js, HTML. **Simulation :** Matlab. **Building tool :** Gradle.
Soft Skills	Pitching ideas. Clear communication of technical designs. Understanding technical details of a hard problem.
Interests	NLP and image processing. Creating software that utilizes cheap hardware components such as RFID tags and NFC technology in a meaningful way.

</> PROGRAMMING LANGUAGES

C/C++	●●●●●
Python	●●●●○
Java	●●●●○

LANGUAGES

Japanese	●●●●●
English	●●●●○
Thai	●●●○○

🖥 PERSONAL PROJECTS

Birds'eye   2019 DEC
🔗 https://github.com/FNmap   🔗 UBC Local Hack Day 2019 - Build Day : Birds'eye

Birds'eye is a gamified learning platform for those interested or with minimum knowledge about First nation land we have here in Vancouver, BC. This android app notifies you about first nation memorial spots when you are close by and **get you to become more familiar with the first nation in your local area**. You will gain points as you visit more first nation lands and keeps record of your progress on local storage in smartphone.

Kotlin | Java | Google Map API | Android Studio | UX/UI

Retweet Bot   2020 MARCH
⦿ github.com/sonozaki7/TwitterBot   🔗 Twitter Bot

This bot is created using JavaScript for front-end and Node.js for backend. This bot acts as an news aggregator and **allow for user to get personalized Tweet content**. This solves the issues of having to see unwanted or unrelated Tweets in your news feed.

JavaScript | Node.js | Twitter API | Heroku | npm | REST | OAuth

Traffic Management System   2020 MAY
⦿ github.com/sonozaki7/p2.js   🔗 Demonstration on YouTube

This is a team project where we worked on a **Intersection Management System that can improve traffic in future smart cities**. Our incomplete plan is to use GPS information of the cars to effectively collect data about all the intersections in the city and make a cloud-based version of this system using 5G

Python | OpenCV | Pandas | Numpy

TakeIt   2020 MAY TO PRESENT
⦿ github.com/sonozaki7/TakeIt   🔗 Tool Used : Tesseract OCR Engine

This is an ongoing project that utilize open-source tesseract engine to **capture image of written notes and covert it into a single pdf file**. The final plan is to make this into an app that can instantly convert all note pictures taken into pdf text data.

Python | OpenCV | Keras | Google Cloud Platform

🎓 VOLUNTEERING EXPERIENCE

2017/18   Co-founded **Teachers Without Boarder** and started an initiative to teach English to children in the orphanage in around Northern Thailand. We had more than 30 members in 2018 and travelled to **5 different orphanages to organize recreational learning events for the children**.
We organized different **donation rounds and fundraising campaigns by selling cookies and Korean fried chicken** in highschool and **raised money to provide more than 60kg of stationaries, detergents and snacks to 500 children** in different orphanages

💼 WORKING EXPERIENCE

May 2018 to August 2018

Hotel Hotaka, TAKAYAMA, Japan
Waiter, CUSTOMER SERVICE
> Worked from 6AM to 10PM, 5 days a week
> Served course dish in a hotel restaurant
> Customer service at front desk
First work experience

March 2020 Present

BlueStacks Technologies, VANCOUVER, Canada
Testing Engineer
> Worked on testing of the games listed on the BlueStacks Emulator platform.
> Created gameplay videos for YouTube promotion. (Using Wondershare Filmora9)
Game Testing Engineer