Cao Ngoc Linh

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🎓 Education

National University of Singapore - 1st Year 2020 – 2024
Bachelor of Computing (Honours) in Computer Science - GPA: N/A *Singapore*
University Scholars Program

NUS High School of Mathematics and Science 2015 – 2019
Honours in Mathematics & Computer Science - GPA: 4.9/5.0 *Singapore*
Dual Enrollment with NUS Computer Science - GPA: 4.5/5.0

Digipen Institute of Technology 2017 – 2017
Game Design Summer Exchange Program *Redmond, WA, USA*

🕑 Experience

PIXTA Inc. May. 2020 – Jul. 2020
Backend Developer Intern *Hanoi, Vietnam*
> Isolate and containerise image processing microservices to reduce resource usage by 3x
> Update image tracking system and increase test coverage from 70% to 95%
> Implement logging database on Elasticsearch to process 50K messages/day

AppVenture Computing Club Nov. 2017 – Nov. 2019
President *Singapore*
> Lead 55 student developers to complete 8 school improvement projects such as digital meal coupon system
> Run 20 school-wide events namely tech meetups, cybersecurity competitions and tech workshops
> Manage club's website that showcases outstanding student projects

Artificial Intelligence Singapore Nov. 2018 – Nov. 2018
Community Outreach Intern *Singapore*
> Design AI for Kids™ Bootcamp, sponsored by Facebook and has reached 300 primary students in 22 schools
> Craft 6 online Machine Learning lessons hosted on AISG/Makerspaces
> Develop drag-and-drop AI coding application with Scratch and Microsoft Azure Custom Vision

iHealthTech Lab Jul. 2018 – Dec. 2018
Student Researcher *Singapore*
> Program Arduino to calculate pulse from blood light absorption level and output to a self-healable display

⚗ Projects

Interactive Display Launcher
> Customized Android launcher with enhanced visibility and security features for school digital noticeboard
> Synchronize school announcements stored in Firebase and bus timings using Singapore LTA API

Enigma Machine Simulator
> JavaFX visualization of encryption mechanism of WWII Enigma Machine

Blockchain Database
> Simulation of Bitcoin blockchain ecosystem in relational database

⚙ Programming Skills

Language Python, Ruby, Java/JavaFX, mySQL, C, C++, Assembly
Skills Ruby on Rails, AWS, Docker, Kubernettes, ELK Stack, Scrum & Agile