CONTACT

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🌐 https://github.com/thegrimbee

EDUCATION

2023-2027
NATIONAL UNIVERSITY OF SINGAPORE

- Computer Science
- Second Major in Data Analytics
- GPA: 4.89
- CS2102 Database Systems (A)
- CS2109S Introduction to AI and Machine Learning (A)
- CS2040S Data Structure and Algorithms (A+)
- CS2105 Introduction to Computer Networks (A+)
- CS1101S Programming Methodology (A+)

2021-2022
ANGLO-CHINESE JUNIOR COLLEGE

- Computing, Further Math, Math, Economics
- 88.75 RP
- Technology Council Vice President
- Mathematics and Computing Club President

PROGRAMMING LANGUAGES

- Python - Experienced
- Javascript - Experienced
- Java - Intermediate
- Typescript - Intermediate
- Kotlin - Intermediate
- C++ - intermediate
- R - Intermediate

Gabriel Mario Antaputra

PROFILE

Computer Science student at NUS with a strong academic foundation and practical experience in AI development, software engineering, and competitive programming. Proven ability in these fields and is willing to work hard to improve and learn!

PROJECTS

- **Horus (Self initiated)**
  - Co-created a desktop application to identify harmful terms of apps since many users do not have time to read the full terms of services
  - Tech Stack: Electron JS, Python (pandas, pytorch, nltk, spacy), HuggingFace (MiniLM)
  - The AI model achieved more than 80% accuracy on untrained data. The app achieved Apollo Level on NUS Orbital Programme 2024. More details in https://github.com/thegrimbee/horus
  - Skills Developed: Web Scraping, AI Development, Version Control, Desktop Development

- **VirtualKey (Self initiated)**
  - An android authenticator with a fun 'twist', to authenticate, you need to twist your phone like an actual key opening a lock
  - Tech Stack: React Native, Typescript, Python (FastAPI)
  - Skills Developed: Android Development, API development

- **CharacterGuesser (Self initiated)**
  - A telegram bot for playing a game of guessing characters from cropped parts of their images (with different modes such as shuffe and blur)
  - Tech Stack: Python (Selenium)
  - Skills Developed: Telegram Bot Development, Web Scraping

- **Project Work Word Counter (Self initiated)**
  - A google docs addon which counts the number of words for a project work document according to the guidelines of H1 Project Work in GCE A-Levels.
  - Tech Stack: Javascript
  - Skills Developed: Google App Scripting

- **RZone 3.0 (Raffles Hall Project)**
  - Helped migrate RZone, Raffles Hall's app for CCA management, from 2.0 (PHP) to 3.0 (React JS)
  - Tech stack: React JS, Python, MySQL

- **RH Job Autofill (Raffles Hall Project)**
  - A web extension to help autofill information for job applications
  - In charge of scraping the job application page to find job descriptions as well as feeding to openai API to generate useful information
  - Tech Stack: Python (Selenium and Openai API), Javascript, HTML and CSS (extension UI)
  - Skills Developed: API testing with Postman, Web Scraping, OpenAI API

SKILLS

- Object Oriented Programming
- SQL Database Management (Postgresql, MySQL)
- NoSQL Database Management (MongoDB)
- AI Development
- Data Analytics
- Web Scraping
- Android App Development
- Desktop App Development
- REST API Development
- Unit testing
- API testing
- MS Office (Excel, Word, Powerpoint)
- Web Development (React JS)

LANGUAGES

- English (Fluent)
- Indonesian (Native)
- Malay (Intermediate)

WORK EXPERIENCE

Logiscool   DEC 2024-DEC2024
Holiday Camp Trainer

- Holiday camp trainer for Minecraft redstone logic, video production, and block programming

National University of Singapore   AUG 2024 -NOV 2024
Teaching Assistant

- Teaching Assistant for CS1101S Programming Methodology
- Responsibility includes teaching studio sessions and grading students' work

The Learning Lab   DEC 2023 - JAN 2024
Mathematics Teacher Intern

- Taught P5-S4 students, including Gifted Education Programme

VOLUNTARY PROJECTS

RHino Workshop   MAR 2024-MAR 2024
Workshop Speaker

- Taught Python and HTML to Bukit Batok Sec students for free

BuildingBlocs   MAR 2022 - JUN 2022
Workshop Speaker

- Taught basic C++ for secondary students throughout Singapore for free

Peer Support Group   MAY 2021 - OCT 2021
Co-founder

- Help struggling students academically by giving a platform for asking anonymous questions and compiling FAQs

AWARDS

National Olympiad in Informatics

Silver Medal + finalist (2022), Silver Medal (2021), Bronze Medal (2020)

Singapore Mathematical Olympiad

Bronze Medal (2020 & 2021)

Australian Mathematics Competition

High Distinction (2021)

International Competitions and Assessments for Schools in Mathematics

Medal winner + Highest scoring participant (2019)