

# GAY MING KAI

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<https://github.com/MingKaiDev>

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## SUMMARY

Penultimate Computer Science student at Nanyang Technological University with a strong interest in Software Engineering and DevOps. Actively seeking opportunities to deepen my expertise through personal projects, workshops and hands-on experiences. Passionate about building efficient, scalable solutions and continuously expanding my technical skill set.

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## WORK EXPERIENCE

**Site Reliability Engineer Intern, DBS Bank** **May 2025 - Present**

- Automated manual workflow, reducing processing time and freeing up manpower
- Built a web app dashboard used by multiple teams to monitor and manage workflows
- Conducted UAT Testing on new features, identifying and documenting 20+ issues

**Geospatial Mapper, The Digital and Intelligence Service** **Oct 2021 - July 2023**

- Member of the innovation team, worked on a Machine Learning Model using pytorch for automation mapping work.
- Finished a CRUD product using React and Nodejs

**Temporary Technical Assistant , Ngee Ann Polytechnic** **Mar 2021 - Sep 2021**

- Implemented solutions regarding computer vision and image processing.
- Worked with industrial image software like Matrox and Basler.
- Learnt more about OpenCV and Graphics User Interface

**Project Intern, Ngee Ann Polytechnic** **Sep 2020 - Jan 2021**

- Worked with OpenCV and flying drone controls
  - Researched on existing Autonomous Vehicles and their technologies available as well as understanding algorithms on path finding
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## EDUCATION

**Bachelor of Computing** **Aug 2023 - Present**

Nanyang Technological University, College of Computing & Data Science

- Penultimate (year 3) student, Second Uppers Honors
- Relevant coursework in Computer Science

**Diploma of Electronics Computer Engineering** **April 2018 - Jan 2021**

Ngee Ann Polytechnic, School of Engineering

- Specializing in Network & Security Systems
  - Diploma with Merit
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## ADDITIONAL INFORMATION

- **Technical Skills:** Data Structures & Algorithms, System Design, SDLC
- **Programming Language:** Python, Java, Javascript, C, C++
- **Languages:** English, Mandarin
- **Certifications:** AWS Solutions Architect Associate, AWS Certified Cloud Practitioner