

# NG ETHAN

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## SUMMARY

I am currently studying Computer Science at CUHK, with proficiency in C#, Java, Python, React, and R. I have developed a diverse skill set that combines core programming with data analysis and multimedia content creation. Previously, as an Innovation Project Developer, I engineered a solution using brainwave technology to detect driver sleepiness, demonstrating my ability to apply technical skills to solve real-world problems.

## EDUCATION

**BSc of Computer science** Sep 2023 - Jul 2027(Expected)  
The Chinese University of Hong Kong  

- Major: Computer Science
- Current CGPA: 3.177/4.0
- Minor: Risk Management
- Relevant courses: Introduction to Cloud Computing, Operations System, Cyber Security, Software Engineering

## WORK EXPERIENCE

**Part Time, Software Engineer (Parami)** Oct 2025 - Present  

- Developed and maintained Kotlin-based Android applications while streamlining business operations through Zapier automations across CRM and communication platforms. Led client-facing technical projects for ASR/TTS solutions, bridging the gap between engineering teams and customer requirements.

  
**Intern, Software Engineer (TRM HK Limited)** Jun 2025 - Aug 2025  

- Developed innovative AI solutions using C# and React, including an automated audio-to-email transcription system and a generative AI tool for creating structured Google Docs. Engineered API routing architectures and optimized prompt engineering strategies to enhance model performance and streamline content creation workflows.

  
**Innovation Project Developer** Sep 2018 - Jul 2023  

- Developed a project which is about using brainwave to detect driver's sleepiness and concentration during driving, and provide a warning signal if the driver had a high level of sleepiness and concentration.
- Gold Award of ICAN 2021, 21st Hong Kong Youth Science & Technology Innovation Competition

## ACTIVITIES

**CUHK Lead Programme (Sri Lanka)** Dec 2024 - Jan 2025  

- Led educational and community revitalization initiatives, including teaching local children and renovating school infrastructure to support academic and social growth. Provided dedicated care and companionship to elderly residents and individuals with disabilities while fostering cross-cultural understanding through student exchange programs.

  
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**CERTIFICATE  
AND  
AWARD**

- ISC2 CC certificate 2025
- Talent Development Scholarship 2024
- CUHK Admission Scholarship 2023
- ICAN international innovation competition 2022 - Gold Award
- 21st Hong Kong Youth Science & Technology Innovation Competition - First Award

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**KEY SKILLS**

- Program language (C, Java, Python)
- Data analysis (SAS, R, Jamovi ).
- CyberSecurity(Reverse Engineering, Crypto, Forensics)
- Cloud Computing (hadoop)
- Multimedia (Photoshop, video editing, HTML)
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- Fluent in English and Mandarin.

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**CODING  
PROJECT**

- MathAiBot
- Scrap Data (Statutory Holiday for calculate patient sick leave total days)
- 2D pixel game (Unity Engine): Meta Squares, Candy Crush
- TutorCenterSystemManagement

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