

# Ethan Wei Yuxin

Highly efficient and motivated problem solver.

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## EXPERIENCE

### **NVIDIA, Student Ambassador, Singapore**

Jan 2024 – Present | *Tensorflow, Keras, Jupyter, Colab, LLMs, Transfer Learning, Deep Learning*

Ambassador expectations:

- **Develop** NVIDIA NeMo (Large Language Models (LLMs) for enterprise use cases) and its applications.
- **Conduct** at least 2 technical sharing workshops and support NVIDIA AI Technology Centre events as a teaching assistant.
- **Raise awareness** about given technology build a community of users around it.

Content knowledge for expectations of the role:

- Foundation Models, Transfer Learning and LoRA (Low-Rank Adaptation of LLM), Deep Learning theory, mathematics, and hands on practice with finetuning models, vector databases, QA and parameter tuning.

### **Google Developer Student Club @ NUS, Head of Product, Singapore**

July 2023 – Present | *JIRA*

**Leading** a team of 8 Software engineers, 4 Business associates and 4 designers on a year-long project to build a donation platform for Caregivers Alliance Limited.

### **Jumpstart Disruptive Innovation, Investment Analyst Intern, Ho Chi Minh City, Vietnam**

May 2023 – August 2023 | *OpenAI, Langchain, GCP, Streamlit, Vercel, Python*

Delivered on 2 high impact technology projects and performed the role of a researcher in the startup and VC space.

- **Developed** an AI tool for internal usage, streamlining information access and simplifying the onboarding process for new hires.
- **Developed** an LLM integrated research bot, boosting research efficiency by 400%. This enhancement empowered analysts to evaluate over 100 companies daily, a significant leap from the prior capacity of 20–30 companies.
- Organized and hosted a "Sip&Share: Saigon x Singapore" networking event, drawing 65+ participants and 4 industry luminaries from the Fintech, VC & Startups space, with sponsors like Singapore Global Network.
- Worked directly with the CEO of PipitMart, a social commerce

## SKILLS

**Languages:** Java (proficient), Python (proficient), JavaScript (proficient), SQL (proficient), C (competent), R (novice)

**Technologies:** LangChain, Django, Streamlit, Vercel, DBMS, SQL, Tensorflow, Keras  
Acquiring now: React

**Tools:** JIRA, Git, Amazon Web Services, Telegram bots, Google Cloud Platform, Wireshark, Google Colab  
Acquiring now: PayPal and other payment integration

## INTERESTS

Football Head at CAPT NUS

Keshi music, Piano

Algorithmic Forex Trading

Karate, Reading, Project Management

## AWARDS

**Winner at What The Hack 2023**

**@ SUTD in August 2023**, a 2-day technology hackathon organized by Singapore University of Technology and Design and sponsored by TikTok, DBS, Accenture, GovTech, IDMA.

technology firm, contributing to strategic initiatives and projects.

- Acquired proficiency in Clifton Strengths/ Gallup StrengthsFinder, a renowned leadership profiling tool employed by Fortune500 companies to harness individual strengths.

### **Razer Inc. | E-Commerce Intern | Singapore**

April 2022 - July 2022 | *JIRA, SAP, Miro, Scrum and Agile methodology*

Delivered on 2 high impact projects and performed the role of product owner and project manager on 4 projects. Familiarized with private sector solutions through working with JIRA, SAP and Scrum methodology.

- Subscription models (projected 10% sales increment in its first year),
- Education Purchase Program (US\$6mil annually),
- On-site search revamp
- Payment-capture upfront (reduction of manual intervention by 55% of pre-orders)
- Each project rolls out to 33 markets Razer operates in, with millions of site visitors weekly.

### **Singapore Armed Forces | Third Sergeant | Singapore**

April 2018 - January 2022 | *Streamlit, Python, Pandas, Vercel*

**Created** an automated scheduling bot for duties using Streamlit, Python, Pandas and hosted on Heroku, saving soldiers about 10 hours per week from manually planning guard duties on excel sheets. IPPT Gold, Marksman, filmed, directed and edited course video for Military Police batch's graduation. Trained in military law, security and policing and in charge of 12 soldiers in defending 6 key installations like Changi International Airport.

### **Government Technology Agency | Cybersecurity Intern | Singapore**

<http://bit.ly/weiyushit13>

November 2018 - January 2019 | *React, Django, DVWA, OSINT tools, Linux, Python, Web dev*

Awarded coin for valued contribution. I designed an AI chatbot that reduces the profitability of scam operations. This is done so by having my bot trick scammers into thinking they have real victims on the hook and wastes their time. I also worked with Django, deep fake, physical and hardware hacking, and spearheaded a social engineering project.

### **Walkers On Wheels NGO | Co-Founder & Director | Singapore, Indonesia**

December 2019 - PRESENT

Featured in [Channel News Asia](#) and 联合早报, donates and liaises with 7 e-scooter companies and multiple welfare organizations to donate e-scooters and bicycles to 17 families in Bali from Singapore, with a target of helping 198 families.

**Venture Initiation Programme @ NUS (\$10K Grant) in May 2023**, a grant jointly sponsored by NUS Enterprise and NUS School of Computing.

**Champion at a BizTech Hackathon - UEH BizTech Hackathon 2023**, co-organized by UEH College of Technology and Design, Institute of Innovation, ITI Fund.

**Champion at a Web3 Hackathon - Solana Builders' League 2022** co-organized by Solana, MetaCamp, RockX, NUS Entrepreneurship Society.

**Champion at Business Pitch Competition - Raffles Business Symposium 2018** - organized by Raffles Institution.

**Champion for Hackathon - Geek Out 2018 Coding Competition** organized by Government Technology Agency.

### **LANGUAGES**

Native English, Native Chinese, Basic conversational Spanish

### **COUNTRIES WORKED**

Singapore, Vietnam, Indonesia

## ABI Research, Singapore — Part-time

June 2014 - December 2017

Gathered research for CAPEX, OPEX and KPIs for Telecommunication and AI development companies around the globe, like Verizon, Virgin Mobile, M1.

## The Rational Thinking, Singapore — Part-time

December 2017 - January 2018

Wrote essays and drafted current affairs articles for Secondary 1-4, to Junior College students.

## EDUCATION

### National University of Singapore – Cumulative GPA: 4.68 (Highest Distinction) | Singapore

Bachelor of Computing in Computer Science and Psychology, Global Merit Scholar (Top 1%)

- Head of Product at Google Developer Student Club
- CAPT Football Head
- Blockchain Researcher at NUS Fintech Society
- Student of NOC (NUS Overseas Colleges) SE Asia Program.
- Secretary of LengKee Toastmasters (Public speaking club)
- Relevant Coursework: Data Structures and Algorithms, Calculus, Linear Algebra, Databases (A+), Networking, Project Management (A+)

August 2022 – Present

### NUS Overseas College | Southeast Asia Batch 6 | Ho Chi Minh City, Vietnam

Deep dive immersion into the technology, startup and VC space in Vietnam

- 3-month internship at JDI (Jumpstart Disruptive Innovation) as Investment Analyst (seen above)
- Worked on various technology projects, built an internal AI with LangChain and OpenAI, automated research process for JDI

August 2022 – Present

### Raffles Junior College | GCE 'A' Levels | Singapore

88.75/90 Rank Points, ~ 4.93/5.00 GPA, Executive in Raffles Entrepreneurs' Network

January 2018 - December 2019

### Temasek Secondary School | GCE 'O' Levels – Top 5% | Singapore,

7 Distinctions, Top 5% of Graduating cohort, Conductor of Chinese Orchestra

January 2014 - December 2017

## TESTIMONIALS

*“Ethan is an exceptional visionary and entrepreneurial talent. He is someone who has a vision of what he wants the future economy to be like. I admire him for taking solid actions to pace himself towards his success. He has clearly demonstrated his self-leading, hardworking and intelligent attributes during his internship.”* – Rong Hwa Chong, Director of Govt. Cybersecurity Strategy and Policy Division, GovTech

*“Ethan was the youngest intern in our team and during the short time span of two months, he has demonstrated more than what I have expected of him. He has a very positive attitude to learning and manages his time well. His friendly and sociable nature allows him to get along well with the team. He has also impressed me with his passion to innovate and to make use of whatever that is available. I look forward to a talent like him to join GovTech some day and do great things for the nation.”* – Terence Teo, Principal Cybersecurity Specialist, GovTech

## AWARDS AND ACKNOWLEDGEMENTS

### **Venture Initiation Programme @ NUS (\$10K Grant) | May 2023**

<https://bit.ly/SURFPitchDeckCondensed>

A venture grant jointly sponsored by NUS Enterprise and NUS School of Computing that supports promising projects with \$10K in funding. Surf – GPT IDE for smart contracts was one of the 9 winning entries.

- Worked extensively on LangChain and OpenAI's API Integration, as well as with Amazon's AWS Lambda and API gateways.
- Presently Product Head at Surf from being project manager during Solana Builders' League hackathon (seen below)

### **Champion | Solana Builder's League Hackathon | 3rd – 17th December 2022**

Organized by Solana Foundation, Metacamp, RockX, NUS Entrepreneurship Society

<https://bit.ly/weiyushit16>

- Co-founded Surf – ChatGPT for smart contracts with 4 other team members.
- Produced pitch and pitch deck, and delegated technical tasks and timelines as a project manager.

### **Director | AppRExp | 15th November 2017 – 31st March 2020**

Led a team of 17 people to create a library application called tmsREAD!.

<http://bit.ly/weiyushit5>

- Hosted weekly meetings, drove team motivation, constructed proposals for collaborations with NLB and Spyder, drafted the company's future plans
- Managed and helped with iOS, Android, Web and Server departments

### **Champion | GeekOut Hackathon | 18th – 22nd June 2018**

<http://bit.ly/GeekOut2018> or <http://bit.ly/weiyushit6>

Champion, hosted by the Government Technology Agency Singapore in 2018, was an inaugural 5-day workshop at SMU where we created autonomous cars with Arduino and C.

- Moderated a Fireside Chat with Li Hongyi (Director at Open Government Products), industry experts from GovTech, IMDA and RedHat
- As an exploration, alongside the actual program, I wrote code that balanced a moving car on two wheels and was also awarded the Creative Award.

### **Forex Trading | May 2021 – Present**

Developed a refined martingale strategy with good risk control and helped teach a group of 40 other traders.

- Currently in the process of automating trading process with MT5 and Python
- Manual traded 3K USD to 12K USD in 2 months.
- Master trader and Platinum membership (highest accolade) with OctaFx broker