Emmanuel Oh Eu-Gene emmaneugene@outlook.com | Portfolio | GitHub | LinkedIn | Substack

Experience

		Experience	
Software Engin	eer at Knovel Engineering		Jan 2024 – Present
Developed browser extensions for dynamic web scraping with LLMs and running remote browser auto			mations with Puppeteer
 Deployed a 	full-stack LLM web applica	ation to third-party and commercial cloud services	
 Developed 	and benchmarked AI solut	ions for speech-to-text transcription and speaker diarization	
Software Engin	eering Intern at Fabrica.A		Oct 2022 – Apr 2023
-		w for building, testing and deploying robot software with Jenkins	
-		pts and dotfile configurations to enhance developer productivity	
-	eering Intern at LUMIQ		Jun 2022 – Aug 2022
-		port new Kubernetes versions on AWS EKS	
• •	Deployed a Google Apps Script add-on as a proof of concept to make optimizer API accessible from Gooftware Engineering Intern at Netatech Engineering		
-	-		May 2021 – Aug 2021
		on schedule and environment data visualizations with Plotly.js	
 Deployed s 	erveness functions for rem	note device control with MQTT and AWS IoT Core Education	
		Education	
	agement University		
BSc Computer S	cience (Artificial Intelligend	ce Track)	Aug 2019 – Dec 2023
• GPA: 3.7 / 4	(Magna Cum Laude)		
-		g and Information Systems) Achievements scholarship	
 Dean's List: 	AY2019-2020 (Year 1), AY		
		Projects	
CoastalClear			Jun 2024
	ation using historical data	to predict cleanliness levels of coastlines and coordinate voluntee	
		ms and undergoing further development in an accelerator round	•
ScamSword	U		May 2023
Prototyped	offensive scam-preventio	n measures developed in collaboration with Open Government P	roducts (OGP)
• Site inspect	analyzes URL, website DO	M, and favicon to generate a comprehensive risk report	
• Scam chat	eature facilitates anonym	ous chat sessions through Telegram APIs	
<u>SourC-VM</u>			May 2023
Compiler an	nd virtual machine that tar	gets a subset of the C programming language	
	compilation errors, type-o	checking, conditionals, loops, and stack and heap implementation	s with visualizations for
debugging			
Spend Transact			Nov 2021
		s transactions, processes rewards for credit card expenditure and	
Conducted	automated infrastructure	provisioning with CloudFormation and build releases with Github Activities	Actions
		ACUVILIES	
Volunteer at Be	tter.SG		Aug 2022 - Present
Providing te	ech helpdesk and consultir	g services for nonprofits looking to improve digital workflows	
Teaching Roles	at Singapore Managemen	t University	Jan 2021 – Dec 2022
• Courses: Lir	near Algebra, Object-Orien	ted Programming, Computer Hardware and Embedded Systems,	DevOps
Composed	practice and review mater	ials to prepare juniors for major programming lab tests	
-	at Ground-Up Initiative		Aug 2019 – Sept 2022
	•	pation in the flagship weekend programme, "Balik Kampung"	0
		lunteer management, knowledge sharing and social media campa	aigning
		Skills	
Languages:	English, Mandarin (All N		
Programming:	Languages:	Python • Java • JavaScript • C • C# • SQL HTML/CSS • Boast S • Spring • FastADL • ASD NET	
	Web Development:	HTML/CSS • ReactJS • Spring • FastAPI • ASP.NET	m e Citlah Cl
	DevOps:	Docker • Kubernetes • AWS • Google Cloud • Azure • Terrafor	

Data Science & ML Pandas • Numpy • Jupyter • Tensorflow • Pytorch

Other: Git • Bash • Linux/UNIX • LaTeX