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EDUCATION

Car	rnegie Mellon University – Pittsburgh, PA	May 2025
	B.S. in Information Systems, additional major in Computer Science	
	GPA 3.79/4.00 Dean's List, High Honors (Fall 2021-Present)	
	Relevant Coursework: Distributed Systems, Introduction to Computer Systems, Parallel and Sequential I	Data Structures and
	Algorithms, Database Design and Development, Artificial Intelligence: Representation and Problem Solvenian Control of the Cont	ving, Designing
	Human-Centered Software	
ГЕС	CHNICAL SKILLS	
	Programming languages: Python, C, Golang, SML, R, Ruby on Rails, SQL, CSS/HTML	
	Tools: MongoDB, PostgreSQL, Redis, Docker, Git, CI/CD pipeline, Linux/Unix, Bash, GDB, Object-Orio	ented Programming
EXP	PERIENCE	
Teac	ching Assistant - 18-213/613 Computer Systems @ CMU	May 2024 - Present
	Lead weekly recitations of 10+ students to reinforce course materials and provide additional support during	ng office hours.
	Evaluate students' work and provide constructive feedback to facilitate students' understanding of course	e contents.
Web	Developer - K-12 Outreach @ CMU	Iay 2024 – July 2024
	Developed a web tool with HTML/CSS to establish and enhance community engagement for CMU K-12	outreach programs.
	Evaluated solution through iterative design process and worked collaboratively in a community-based pa	rtnership.
Tecl	nnical Consultant - Re:Bloom, Pittsburgh	Jan 2023 - Aug 2023
	Designed and deployed performant web solutions for small businesses, improving site reliability and red	_
	Gained at least 17% more visits on site after the first month of launch.	
	Provided training on system maintenance, emphasizing efficiency and scalability.	
PRC	OJECT EXPERIENCE	
Distr	ibuted Bitcoin Miner	Sep 2024 – Oct 2024
	Designed and developed Live Sequence Protocol (LSP) API, combining the strengths of both TCP and UI	OP to support reliable,
	in-order, and connection-oriented communication between clients and a server. Implemented key features	such as sliding
	windows, checksum, heartbeat messages, and epochs to ensure data integrity, efficient transmission, and fa	ault-tolerance.
	Developed a distributed system in Go using LSP API to accelerate Bitcoin mining. Implemented fault-tole	erant recovery
	mechanisms to manage miner failures and designed efficient load balancing strategies to optimize resource	e usage, maintain
	fairness, and minimize response times.	
Perso	onalized Question Generation for Reading Comprehension – CMU LearnLab	May 2024 – Sep 2024
	Built and evaluated the performance of multiple large language models using TensorFlow and PyTorch in	answering a diverse
	set of reading comprehension questions. Generating similar questions with models using few-shot learning	g techniques.
	Integrated a knowledge graph-based approach with GraphRAG to improve personalized question generation	-
	connecting information nodes through shared attributes. Demonstrated enhanced performance in producing	g higher-quality,
	relevant questions aligned with the SARA framework.	
Supe	r Mario Bros Project	Mar 2022 – Apr 2022
	Developed a simulation of the Super Mario Bros game in Python utilizing object-oriented programming. I	Designed and
	implemented game mechanics, including character movement, collision detection, and level progression.	
	Integrated OpenCV to capture and process real-time user gestures, creating an innovative control system v	
	manipulate character movements with hand gestures. Optimized performance to maintain low latency for	gesture recognition.
ENGAGEMENT		
Wom	en in Information Systems	Apr 2024 - Present
	Mentor female students pursuing a major in Information Systems, fostering their professional development	t.
Carn	egie Mellon Varsity Women's Track and Field – Team Captain	Aug 2021 - Present
	Honors: IJA A All-Academic Mid-Atlantic All-Regional 4y400m	-