

# Alexander Andom Solomon

Abu Dhabi, UAE, +971545001884, alexashie.solomon@gmail.com

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## PROFILE

- Motivated IT graduate specialized in Networking and Cybersecurity, adept in network administration, penetration testing, software development and data analytics. Actively pursuing opportunities to apply my professional expertise and make substantial contributions.

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## EXPERIENCE

Jan 2022 — Jun 2023	Teaching Assistant (part time), Zayed University	Abu Dhabi
	<ul style="list-style-type: none"><li>• Enhanced education through active lesson and resource development</li><li>• Ignited student success with personalized support and focused attention.</li></ul>	
Jan 2021 — May 2021	Teaching Assistant (part time), Zayed University	Abu Dhabi
	<ul style="list-style-type: none"><li>• Ensured quality by meticulously testing lab materials before distribution to students.</li><li>• Empowered students in mastering technical aspects through dedicated assistance.</li></ul>	
Jan 2020 — Dec 2022	Pear Assistant Leader (PAL) (part time), Zayed University	Abu Dhabi
	<ul style="list-style-type: none"><li>• Providing tailored guidance to students for success in diverse IT courses.</li><li>• Sparked academic achievement by providing individualized assistance</li></ul>	

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## EDUCATION

Nov 2022 — Present	Software Development, 42 Abu Dhabi, UAE	Abu Dhabi
	<ul style="list-style-type: none"><li>• conducted 50+ peer evaluations</li><li>• collaborated on diverse projects, notably minishell, cub3d and ft_irc.</li></ul>	
Jan 2019 — Dec 2022	BSc in IT, Networking and Cyber security, Zayed University,	Abu Dhabi
	<ul style="list-style-type: none"><li>• Graduated with honors of CGPA 3.91.</li><li>• Honored with golden visa award for academic excellence.</li></ul>	

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## PROJECTS

Nov 2023 — Dec 2023	ft_irc	
	<ul style="list-style-type: none"><li>• <b>Description:</b> Developed a lightweight Internet Relay Chat (IRC) server called ft_irc, using C++.</li><li>• Designing and implementing IRC protocol functionalities for user management and real-time messaging.</li><li>• <b>Role:</b> Lead Developer</li><li>• <b>Technologies:</b> C++, Networking protocols, Socket programming</li></ul>	
Jun 2023 — Aug 2023	Cub3d	
	<ul style="list-style-type: none"><li>• <b>Description:</b> Developed a 3D game using Ray-Casting techniques for the Cub3D project at 42 abu dhabi.</li><li>• Implemented graphics rendering, player movement, and map parsing as Lead Developer</li><li>• <b>Role:</b> Lead Developer</li><li>• <b>Technologies:</b> C , Ray-Casting Techniques, MinilibX Library</li></ul>	
May 2023 — Jul 2023	minishell	
	<ul style="list-style-type: none"><li>• <b>Description :</b> Created a Unix shell, minishell, akin to the Bash shell. Tasks involved designing and implementing shell functionalities, refining command parsing, and optimizing execution processes.</li><li>• <b>Role:</b> lead programmer</li><li>• <b>Technologies:</b> C, Shell scripting techniques, System calls</li></ul>	
Aug 2022 — Dec 2022	ZUOnlineRegistrationSystem	
	<ul style="list-style-type: none"><li>• <b>Description:</b> an optimized web-based course enrollment system. Implemented user-friendly features for streamlined course browsing, scheduling, registration, and add/drop services using Machine learning technique.</li><li>• <b>Role:</b> Front end Developer</li><li>• <b>Technologies:</b> PHP, html, css, Javascript, MySQL and Machine learning (Genetic Algorithm)</li></ul>	

SKILLS	Programing languages (C, C++, python and Java)) Database management (oracle and mysql) Microsoft Office	Data analysis using r Network Administration (CCNA routing and switching) Cyber security penetration testing (kali )
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## CERTIFICATIONS

2023	Certification of completion in Data Structures and Algorithms: Deep Dive Using Java,
2020	CCNAv7: Introduction to Networks Cisco Certification
2020	CCNAv7: Switching, Routing and Wireless Essentials Cisco Certification
2020	Global Connect & Global Circles Certification of Completion: Soliya program

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## HONORS AND AWARDS

Jan 2019 — May 2022	<b>dean's list Semester (Six times)</b> <ul style="list-style-type: none"> <li>Completes a minimum of 15 gradable credit hours in a semester while maintaining a GPA of 3.70 and above.</li> </ul>	Zayed University
Dec 2022	<b>Highest Distinction</b> <ul style="list-style-type: none"> <li>A student graduated with CGPA of 3.9 and above.</li> </ul>	Zayed University

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## EXTRA-CURRICULAR ACTIVITIES

Feb 2019 — Dec 2022	<b>Valley ball Team, Zayed University</b> <ul style="list-style-type: none"> <li>Represented Zayed University in Volleyball competitions 3 seasons.</li> </ul>	Abu Dhabi
Dec 2019 — Aug 2022	<b>African Caribbean Club</b> <ul style="list-style-type: none"> <li>Representing Eritrea in the club, presenting Eritrean cultural traditions in different events.</li> </ul>	Abu Dhabi