

Yonatan Tesfay – BSc in Computer Engineering

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Skills

- Figma | Adobe XD | App Design | Web Design | Java | Spring | Kotlin | Android Studio | App Development | Unity 2D | C# | C++ |
- HTML | CSS | JavaScript | WordPress | Bootstrap | MongoDB | MySQL | Node | Express | React | Firebase | Git | GitHub |
- Arduino | Unit Testing | UML | TensorFlow | Data Structure | Cisco Packet Tracer | XCode | Swift |
- Full-Stack | Database | Game Development | Machine Learning | IoT | Network Services & Security | Chess | English, Arabic, Tigrigna |

Education

Bachelor of Science	<u>UAE University</u>	<i>Al Ain, Abu Dhabi, UAE</i>	01/2019-Current
<ul style="list-style-type: none">• Major in Computer and Networking Engineering CGPA = 3.63/4.0• Minor in Artificial Intelligence CGPA = 4.0 / 4.0			
Bachelor of Science	<u>EIT College</u>	<i>Mai Nefhi, Eritrea</i>	09/2017-11/2018
<ul style="list-style-type: none">• Pre-Engineering CGPA = 4.0/4.0			

Experience

Senior Graduation Project	<u>UAEU</u>	01/2022 - Current
<ul style="list-style-type: none">• Project - Traffic Sign Detection and Recognition using Deep Learning and OpenCV.• Led the design and development of a mobile application that takes live video as input, detects & recognizes traffic signs in real time.• Technologies used include Python, OpenCV, TensorFlow, GitHub, Java/Kotlin, Android Studio, SQLite, Adobe XD.		
Internship	<u>National Water and Energy Center</u>	04/2022-07/2022
<ul style="list-style-type: none">• Project – Time Series Rainfall Prediction model with Machine Learning• Performed data gathering, cleaning, analyzing, interpreting, and organizing.• Used statistical tools and techniques to interpret data sets and identify trends and patterns.• Researching and Implementing of ML algorithms and tools• Responsible for Designing, developing, testing, deploying, and documentation of the machine learning model.		
Peer Tutor	<u>UAEU</u>	02/2021 - 05/2021
<ul style="list-style-type: none">• Helped students understand different IT related courses such as Algorithms and Data Structure, Object Oriented Programming etc.• Assisted other students with homework and provided supplementary instruction.		
Game Development	<u>Awesome Tuts</u>	07/2020 - 10/2020
<ul style="list-style-type: none">• Developed various 2D and 3D games for android, iOS, and PC with unity, c#, and blender.• worked on implementing artificial intelligence as well as multiplayer games.		

Certificates

- **Spring Boot E-Commerce Ultimate Course (84 hours)**
- **Professional Java Developer Career Starter: Java Foundations (87.5 hours)**
- **The Web Developer Bootcamp 2021 (63 hours)**
- Adobe Xd Masterclass - UI / UX Design from Scratch (20 hours)
- **The Complete Networking Fundamentals Course. Your CCNA start (79.5 hours)**
- **Applied Ethical Hacking and Rules of Engagement (40hours)**
- **The Ultimate Python Bootcamp for Data Science & Machine Learning (15.5 hours)**

Awards

- **1st Place:** Won the best senior project award held in the College of IT of UAE University.
- **2nd Place:** Won twice competitive programming contest in the UAE University.
- **7th Place:** Won Gulf programming contest representing my university that was held between 7 countries in Oman.
- Fully funded Scholarship opportunity at UAEU, to complete my undergraduate studies in computer engineering.