

# Yonatan Tesfay – Senior Computer Engineer

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## Skills

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

## Education

### Bachelor of Science

#### UAE University

Al Ain, Abu Dhabi, UAE

01/2019-Current

- Major in Computer and Networking Engineering CGPA = 3.63/4.0
- Minor in Artificial Intelligence CGPA = 4.0 / 4.0

### Bachelor of Science

#### EIT College

Mai Nefhi, Eritrea

09/2017-11/2018

- Pre-Engineering CGPA = 4.0/4.0

## Experience

### Senior Graduation Project

#### UAEU

01/2022 - Current

- Project - Traffic Sign Detection and Recognition.
- Led the design and development of a mobile application that take live video from camera of a car as input, detects and recognizes traffic signs in real time.
- Technologies used include Python, OpenCV, TensorFlow, GitHub, Java/Kotlin, Android Studio, SQLite, Adobe XD.

### Internship

#### National Water and Energy Center

04/2022-07/2022

- 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

#### UAEU

02/2021 - 05/2021

- 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.

## 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)**
- **The Complete Networking Fundamentals Course. Your CCNA start (79.5 hours)**

## Awards

- **2<sup>nd</sup> Place:** Won twice competitive programming contest in the UAE University.
- **7<sup>th</sup> 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.