

# HAMAD H. ALSHERAIFI

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## COMPUTER ENGINEER

### EDUCATION

Al Ain, UAE  
May 2021  
**Bachelor of Science in Computer Engineering**  
Major GPA: 3.68  
Cumulative GPA: 3.51  
U.A.E University (UAU)

### EXPERIENCES

Al Ain, UAE  
January 2021 – April 2021  
**Software Engineering Intern**  
National Space Science & Technology Center (NSSTC), UAU

Developed a desktop (GUI) simulation software, using Python and Arduino, that acts as a replica to the telecommand/telemetry process in the satellite with UART as the communication protocol. Provided presentations at NSSTC. Contributed with NSSTC's "GNSSaS Weekly Project Meeting" to follow up with the entire team's progress and to share updates on my simulation's development status.

Al Ain, UAE  
September 2017 – November 2017  
**Peer Tutor**  
Tutorial Center, UAU

Assisted students in English language mainly in Speaking, Writing, and Grammar. Helped students prepare for English tests (IELTS, UGRU English levels 1-4).

### AWARDS

December 2020  
1<sup>st</sup> place Senior Project at the College of I.T., UAU

Fall 2018 - Fall 2020  
Dean's List

### CERTIFICATIONS

November 2021  
Python (Basic) Certificate from Hackerrank.

April 2018  
Certified Basic Level Tutor by National Tutoring Association (NTA)

### EXTRACURRICULARS

March 2020  
Participated in the UAU Science & Innovation Park event "Coronavirus Awareness Contest" & built a website that raises awareness of the coronavirus.

April 2018  
Took part in the 4<sup>th</sup> UAU Annual Undergraduate Student Research Conference 2018 to share our research based on the prevalence on diabetes in the UAE.

### SKILLS

**PROGRAMMING LANGUAGES:** - C++, Python, Rust, Arduino, Java, Verilog, Embedded C

**COMPUTER VISION (OpenCV):** - Shapes/ Contour/ Face/ Color Detection, Hand-tracking, Warping Perspective, Reading (Images, Videos, Webcams), Cropping and Resizing, Drawing Shapes

**WEB-DEVELOPMENT TOOLS:** - HTML, CSS, JavaScript, Bootstrap, WordPress, Django, GitHub Pages

**IOT PLATFORM:** - Thinger.io

**OPERATING SYSTEMS:** - Windows OS, MacOS, Linux

**ELECTRICAL/HARDWARE:** - Digital Design, Logic Gates, Arduino Boards, Wiring, Electrical Components

**NETWORKING:** - IPv4, TCP, UDP, UART, IP Classes, Subnetting

**SOFTWARE DESIGNING TOOLS:** - VS Code, PyCharm, MS Visual Studio, MS Office, Tinkercad, Packet Tracer, NI Multisim, iMovie, Tkinter

### PROJECTS

**SCOOTER INCIDENT REPORTING SYSTEM (SENIOR PROJECT)**  
Designed an attachable device to an e-scooter whose duty is to detect a fall, collision, or a crash from the e-scooter and transmit the data to the IoT platform via Wi-Fi.

**HOTEL RESERVATION WEBSITE**  
Built a full-stacked website using frontend tools (HTML, CSS, JS) with PHP as the backend and MySQL as the database.

### REFERENCES

Dr. Mohammad Naouss

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Dr. Fekri Kharbush

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