

Amir Abed

Technical Assistant

Experienced, organized Electrical Engineer with a background in RF as well as training in circuits. I possess strong communication skills due to my professional experience as a worker.

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EDUCATION

Electrical Engineering

UNIVERSITY OF CALIFORNIA SAN DIEGO

09/2018 - 06/2022

GPA: 3.4

Courses

- ECE 111 (DIGITAL DESIGN)
- ECE 107 (ELECTROMAGNETISM)

WORK EXPERIENCE

Technical Assistant

RF Precision Cables

06/2016 - 09/2020

1600 S Anaheim Blvd F, Anaheim, CA 92805

I worked here during the summer of 5 consecutive years and received hands-on work with the assembly of radio frequency cables.

Achievements/Tasks

- Manufacturing of coaxial cables.
- Testing cables for function, increasing productivity, and ensuring peak performance.
- Shipping these cables on time to companies worldwide.

Contact: Sabri El Masri - (714) 350-7786

COSMOS Cluster Assistant

UCSD

06/2021 - 07/2021

San Diego

COSMOS strives to motivate creative minds of the new generation of prospective scientists and engineers who will become future leaders.

Achievements/Tasks

- Assisted in teaching incoming university students problem-solving and technical skills.
- Successfully fostered a safe learning environment, promoting creative thinking and hands-on development.
- Worked with other university students and professors in order to make sure these future engineers thrived in project-building.

Contact: Saharnaz Baghdadchi - sabaghda@eng.ucsd.edu

ORGANIZATIONS

IEEE (09/2019 - Present)

Member and collaborator.

SKILLS

Technical Troubleshooting

Error Detection Equipment

Inspection Hardware and Software Repair

Circuit Design

Languages: C, C++, Python, MATLAB, Java, Javascript, HTML, CSS, Processing, Verilog

Design: Solidworks, Eagle CAD, Mastercam, Quartus Prime, Vivado

Utilities: Microsoft Windows and Office, SDR software, ESP32s, RFID scanners

Technologies: Linux, Docker, MySQL, Arduino, Raspberry Pi, Soldering, Breadboarding

Time Management

Collaborative Team Player

Organizational Skills

Friendly and Patient

PERSONAL PROJECTS

ENLIGHTEN (01/2020 - 03/2020)

- Collaborated with a team of 6 in the development of automated home light switches that turn on when a person is detected in the room using TensorFlow, ESP32, Raspberry Pi, Firebase, BLE.

!ForgettaBoutIt (09/2019 - 12/2019)

- Collaborated with a team of 4 in the development of RFID scanner device using Arduino-based module inside backpack notifies via the app which objects are there, makes reminders about important missing items.

ACHIEVEMENTS

Provost Honors (06/2020 - Present)

Junior Year Honor Roll at UCSD

LANGUAGES

English

Native or Bilingual Proficiency

Arabic

Limited Working Proficiency

INTERESTS

Basketball

Photography

Music (guitar and piano)