Amir Alexander Abed
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OBJECTIVE

To advance my learning and understanding in the field of engineering and technology in order to establish a career in engineering and impact society in the future.

EDUCATION

UNIVERSITY OF CALIFORNIA SAN DIEGO 9500 Gilman Dr., La Jolla, CA 92093
Working towards a Bachelor's degree in Electrical Engineering. Graduating June 2022.
GPA: 3.3 (year 3 quarter 2)

JOB EXPERIENCE

RF Precision Cables / Technical Assistant
June 2016 - PRESENT (During Summer), 1600 S Anaheim Blvd F, Anaheim, CA 92805
● Hands-on work with the assembly of radio frequency cables, specifically coaxial cables
● Testing cables for function and shipping them to companies worldwide

SKILLS

● Languages: C, C++, Python, MATLAB, Java, Javascript, HTML, CSS, Processing
● Design: Solidworks, Eagle CAD, Mastercam
● Utilities: Microsoft Office, SDR software, ESP32s, RFID scanners
● Technologies: Linux, Docker, MySQL, Arduino, Raspberry Pi, Soldering, Breadboarding
● Fluent in English and Arabic, as well as proficiency in French and Spanish

ACTIVITIES, AWARDS, and GROUPS

● IEEE member and group project participant, 2 years in QP (Quarterly Projects)
● IEEE QP++ Winter quarter 2020 competition winner (ENLIGHTEN)
● IEEE QP Fall quarter 2019 competition runner-up (!ForgettaBoutIt)
● ECE courses dealing with robotics and automation, such as line-following robots
● Quantum Computing at UCSD member

Projects

● ENLIGHTEN project: Automated home light switches that turn on when person is detected in room using tensorflow, ESP32, Raspberry Pi, Firebase, Bluetooth Low Energy
● !ForgettaBoutIt project: RFID scanner device using Arduino-based module inside backpack notifies via app which objects are there, makes reminders about important missing items.
● Bitcoin mining using SHA-256 hash algorithm in System Verilog
● Matlab program finding discretized charges and capacitance of a parallel plate capacitor
● Personal website: https://www.amirabed.com - coded from scratch HTML and CSS
● Experience with server set-up and web design