HASSAN HIJAZI

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Education

Bachelor of Science: Computer Engineering — Expected 05/24
Boston University - Boston, MA
Relevant Courses: Software Engineering (C++), Applied Data Structures and Algorithms for Engineers (C++), Discrete Math, Computer Logic Design (Verilog), Computer Architecture, Differential Equations, Signals and Systems, Electrical Circuits, Probability, Statistics and Data Science, Smart and Connected Systems, Machine Learning (Python), Computer Networking, Cyber Security.

International Baccalaureate — 09/16 - 05/20
American Community School Of Beirut - Beirut Lebanon
- Graduated With Highest Distinction

Skills

- **Software Skills:** C, C++, C#, MATLAB, Verilog, Kotlin, Python, JavaScript, React, HTML, Git, Unity, AutoCAD.
- **Hardware Skills:** Digital and analog circuit design, FPGA design, Networking hardware, Computer architecture, CAD.

Work History

Software Engineer Intern — 05/23 - 09/23
Mycom-OSI – London, England
- Collaborated within Agile development environment, participating in daily scrum, and sprint planning.
- Crafted and optimized user-friendly front-end interfaces utilizing **React**.
- Integrated front-end components with backend APIs, ensuring seamless data flow and functionality.
- Contributed to AI Ops initiatives in **Python**, deploying artificial intelligence to improve telecommunications efficiency.

Machine Learning Reasercher — 05/23 - 09/23
Boston University – Boston, MA
- Engaged in research to fine-tune Meta-SAM model to analyze kidney biopsy samples for sufficient cortex parts.
- Successfully trained model with **Python** to deliver accurate results, boosting diagnostic process for kidney biopsy evaluations.
- Designed a user-friendly website leveraging **React** allowing users to photograph kidney cortex and instantly receive analysis results.

Self Driving Car - Team Member — 03/23 - 04/23
Boston University – Boston, MA
- Developed software in **C** for an esp-32 micro-controller to facilitate a self-driving car system.
- Incorporated lidar and ultrasonic sensors that allow car to detect and respond to obstacles in its environment.

Technology and IT Intern — 06/22 - 09/22
International Commercial – Oshikango, Namibia
- Led installation of first private fiber optic network in Oshikango.
- Core team member in fiber optic design for detailed network.
- Coordinated troubleshooting for networking equipment to ensure great signal strength across entire platform.
- Assisted with technical support and maintenance for all integrated systems and subsystems, ensuring smooth operation and optimal performance.

Smart Guide Light - Team Leader — 02/22 - 05/22
Boston University – Boston, MA
- Constructed a Smart Guide Light for visually impaired navigation.
- Applied **CAD** for light's housing design.
- Programmed in **C++** for directional LED lighting, and warning system indicating incorrect direction of travel with flashing red lights.
- Added an energy-saving feature that responds to human presence using thermal sensors.