Ahmed Ibreljic

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EDUCATION

University of Massachusetts Boston, Boston, MA
Bachelor of Science, Electrical Engineering, May 2023   GPA: 3.37

PROJECTS

Project One: Calculation and Analysis of Linear Superposition and Laplace Transform Equations within Butterworth Low Pass Filters

Project Two: AI Genetic Programming Website for Higher Education Course Sequencing.

Project Three: Designing and Testing H-Darrieus Vertical Axis Wind Turbines.

Project Four: Calculation and Analysis of Thevenin's Theorem on AC Circuits.

Project Five: AI Facial Recognition and Eigenfaces Algorithm in MATLAB.

SKILLS

Languages: C, Java, Python, ML, MATLAB, Swift, LaTeX.
Web Development: HTML, CSS, JavaScript, React, ASP.NET.
Applications: PyCharm, LTSpice, KiCAD, Eagle, Altium, Simulink Visual Studio, MATLAB, Git, LabVIEW

EXPERIENCE

AV Office Technician   Lauren Luis
February 2022 - Present   University of Massachusetts Boston
Daily site visits to check equipment condition, connections, service, and replacing equipment as necessary. Assist with university faculty with intercom/wireless systems installing standard AV room equipment. Reviewed all systems and complex videoconferencing and collaboration technologies for internal faculty and university meetings.

Full Stack Developer   Computer Science Department
September 2020 - March 2022   University of Massachusetts Boston
Redesigned 45 UMass Boston web pages to improve navigation, enhance visuals and info graphics, and boost search engine rankings. Executed security measures such as encryption and firewalls. Increased website traffic by over 31 percent through keywords and SEO tools.

Robotics Assistant   Neutrons Robotics
October 2019 - June 2020   Revere High School
Coordinator and robotics coach for Revere High School students. Assisted teams with complex design and building process and compiling C++ code. Robot reached semifinalist position in regional competition in Boston;

INTERESTS

TensorFlow, Rockets, Drones, PCB Design

CERTIFICATES

Electronics Foundations: Basic Circuits and Fundamentals - Barron Stone Linkedin Learning