RAYAN ELIAS

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PROFESSIONAL EXPERIENCE

MED2LAB, INC.   **San Francisco, CA**
Business Development   **2022-Present**

- Analyzing data from the National University of Singapore to highlight cognitive benefits of the platform's training
- Using generative AI/ML to develop an interactive medical training platform called CognitusAI
- Presenting at international medical conferences throughout Singapore; Malaysia; UAE; Chicago, IL; Orlando, FL
    - *Including HIMSS, Arab Health, IAMSE, APMEC, IMEC, Unicon, etc.*
- Creating case-based COVID-19 training modules using data from high-risk patient care with the Weitzman Institute
- Conducting literature reviews on medical publications for customer acquisition
- Implementing an "AI Instructor" to deliver adaptive feedback to students based on engagement data from the platform
- Collaborating with healthcare contractors to turn their expertise into an adaptive AI assistant for medical coding

JOHNS HOPKINS UNIVERSITY, SCHOOL OF PUBLIC HEALTH   **Baltimore, MD**
Research Assistant   **2022-2023**

- Perform literature reviews on JHU publications on neonatal, maternal, and preventative health in developing regions
- Research on statistical modeling and predictive algorithms using bootstrapping, KNN, types of adaptive regression
- Introduction to R, R Markdown, and Python – Used skills from STATS101: Data Science 101 at Stanford University
- Collaboration and understudy with Professor Saifuddin Ahmed, PhD
- Involved in large-scale statistical analyses on preventive measures for maternal mortality in Sub-Saharan Africa
- Present treatment findings to outpatient clinics and nonprofits including Praava Health and National Heart Foundation

CENTENNIAL ROBOTICS, INC.   **Ellicott City, MD**
President & Founder   **2021-Present**

- Implementing open-source computer vision algorithms such as OpenCV and TensorFlow for object detection
- Using regression models such as multi-linear, polynomial, and ridge on odometric controls to create precise movements
- Developing adaptive motor control algorithms by training a model to adjust to various surface environments
- Cultivating sponsorships including FEI Systems, MSBR, SendCutSend, Maryland Robotics Center, and Asymetrik Ltd.
- Overseeing nonprofit compliance, maintaining IRS tax forms, 501(c)(3) certification, and managing financial statements

RYE TECH, INC.   **Baltimore, MD**
Business Coordinator   **2020-Present**

- Managing SBA and MBE certifications and SAM updating
- Acquiring GSA MAS Award and winning contracts on the GSA schedule
- Developing promotional material and website alongside third-party vendors
- Resourcing technical staff for IT contracts with TSA, ePATHUSA, RELI Group Inc., Secure Innovations
- Networking and presenting HUBZone capabilities at conferences (HIMSS, NCMA, GovCon Events)
- On-boarding and staff management

EDUCATION

UNIVERSITY OF MARYLAND   **College Park, MD**
Bachelor of Science, Electrical Engineering, Interdisciplinary Business Honors   Class of 2027

STANFORD UNIVERSITY   **Stanford, CA**
Stanford Summer Session   Summer of 2022

HOWARD COMMUNITY COLLEGE   **Columbia, MD**
Early College Program in Cybersecurity   2020-2023

APPLICATIONS & RESEARCH LABORATORY   **Ellicott City, MD**
Early College Cybersecurity (ECC) Program   2020-2022

CENTENNIAL HIGH SCHOOL   **Ellicott City, MD**
GPA: 3.9/4.0 | 4.7/5.0   Class of 2023

SKILLS

- Leadership: Project Management, Presentation and Marketing, Business Modeling, and Product Development
- Programming: HTML & LaTeX; Java & JavaScript; Linux/Unix & CMD; Python & R
- Languages: Fluent in Bengali (native); Reading Proficiency in Arabic; Intermediate in Spanish and Hindi
- Software: Computer-Aided Design & Manufacturing (CAD & CAM); VMWare and VirtualBox; MS Office 365 Products; Jira: Ticketing System; MS Azure; Adobe Photoshop and Premiere Pro CC; Vulnerability Scanners: Wireshark, Nessus, Burp Suite