RICHARD JOSEPH

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Professional Objective: To obtain a position that allows me to expand my skills in computer science

Technical Skill:

●C++ ● Python ●JavaScript ●C ●Django ●Html/CSS ●Bootstrap 4 ● MySQL

EDUCATION

Bachelor of Science, Biology (May 2016) University of Massachusetts Dartmouth, Dartmouth, MA

Bachelor of Science, Computer Science (Anticipated 2020) Oregon State University, Corvallis, OR

PROFESSIONAL EXPERIENCE

Siemens Healthineers **(July 2017 – May 2019)**

Quality/Laboratory Technician III: Assay Development

- Team lead for the Ferritin assay improvement project (Ferritin SME)
- Developed and executed experiments for the improvement of the Control Systems for Siemens' Immunoassays
- Developed the formulation and parameters of in-house controls located at Medical Decision Levels (MDLs)
- Developed and executed characterization/verification plans and reports
- Conducted Atellica IM, Centaur XPT, and Centaur CP instrumentation with serum and other biological fluids using new protocols
- Creation of precision profiles to assess precision of assays
- Compiled historical data to assess performance of assays and to develop new parameters
- Assessment of commutability between various formulations
- Created protocols to align platforms with a common value assignment
- Manufactured molecular products in IS0 8 (Class 100k) and ISO 7 (Class 10k) labs as well as Biosafety Level 3 lab

Siemens Healthineers (**September 2016 - July 2017)**

Sensor Manufacturing Technician I: Point of Care

- Manufactured electrochemical sensors in the POC Sensor Manufacturing for RAPID Point and RAPID Lab Blood Gas Platforms
- Prepared and deposited laboratory solutions
- Supported studies intended to improve the efficiency and effectiveness of the processes associated with the blood gas instrumentation
- Oversaw and conducted the training of new site staff