Technion - Rambam
Center for Artificial Intelligence in Healthcare

Job description: systems engineer (DevOps)

We are seeking a Systems Engineer to implement and maintain a high-frequency Physiological Data Collection system at Rambam Children's Hospital. A successful candidate will be working at the interface between cutting-edge data science and clinical practice.

This position will involve building and maintaining systems and data pipelines that collect physiological signals from the bedside and deliver it to researchers and machine learning algorithms. A successful candidate will be troubleshooting problems and consulting with stakeholders to ensure the stability and growth of the data management systems and data science program.

The role will involve collaboration with clinicians and experts in similar roles at hospitals in Canada, Australia, and the United States. This is an exciting opportunity with substantial room for career growth.

Skills:

- Linux-based (CentOS/RHEL/Ubuntu) system administration experience
- Experience with containerized software and technologies (Docker, Kubernetes)
- Knowledge with configuring and managing systems that run containerized software
- Knowledge of Cloud architecture (AWS or Azure or Google)
- Familiarity with relational databases (MariaDB, MySQL, SQL Server) required
- Proficiency with programming required (Python preferred)
- Experience with Medical Devices, specifically Mindray and GE bedside monitors, an asset
- Experience with data retrieval / middleware systems, such as Capsule, Enovacom Patient Connect, etc., an asset
- Experience with HL7 data feeds an asset
- Experience with LDAP and other authentication platforms (OIDC) an asset

Education:

Undergraduate Degree in Engineering / Computer Science or equivalent experience

Please send your resume to Laurent Karat : l_karat@rambam.health.gov.il