

# HIRING INTERNS FOR

## THE ROLE OF SOFTWARE DEVELOPERS

### Job Summary

**Location:** UK

**Required Experience:** 0-1 year

**Skills:** Bioinformatics, Data Cleaning, Data Science, Biomedical Data, Computer Science, Python, R

Queens Mary University of London is looking for "AI/ML Researchers" enrolled in the AI/ML program to join SquareML Healthcare Data Science initiative. As a researcher and developer, you will be part of an interdisciplinary team of mathematicians and computer science experts to research, implement, and improve current and future projects using SquareML AI/ML software. The mission of this program is to create and innovate real-world impacting projects using outstanding research skills. As researchers, you will be expected to conduct cutting-edge research initiatives and work collaboratively to solve important product related scientific challenges. SquareML is building a no-code platform which is capable of ingesting multiple types of bio-medical data from multiple public and proprietary data sources and build a variety of machine learning models that will aid healthcare workers and physicians take data-driven informed decisions for a personalised clinical care.

### Qualifications

1. Enrolled in Masters Degree or Ph.D. degree in computer science, statistics, applied mathematics, computational social science and related fields.
2. Knowledge in statistical analysis, machine learning or network analysis, building models.
3. Knowledge with data analysis using tools such as R or Python, with packages such as NumPy, SciPy, pandas, Scikit-learn.
4. Ability to initiate and drive research projects, communicate, and collaborate effectively.
5. Strong publication record demonstrating innovative research
6. Good presentation skills.
7. Excellent programming skills in Java/Python/C/C++, CUDA or other GPU is an added advantage.
8. Experience with processing structure & unstructured data.
9. Knowledge in processing images(segmentation, classification & feature extraction) using OpenCV.
10. Knowledge in OCR/text extraction from scanned images & PDFs.
11. Build machine learning & deep learning (CNN,RNN,LSTM & GANs) based models using TensorFlow & Keras.
12. Go through research papers, understand and apply the techniques/methods for solving business problems.
13. Knowledge in NLP models such as transformers, BERT, GPT etc.

## Our Solution

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Our software platform provides 3 layers of capabilities each of which can be used independently

**Top:** No Code Machine Learning Platform - Insights and Predictions

**Middle:** IOT/ Healthcare Event Orchestration Web Platform - Rules / Actions / Notifications

**Bottom:** Mobile home health platform to connect/collect/act on data from Patients/ Wearables / Telemedicine

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For more information:

<https://www.squareml.ai/>

## Responsibilities

1. You will research and develop innovative ML strategies for challenging problems that will affect future products.
2. You will have opportunities to provide technical mentorship and guidance and prepare technical reports for publication and conference talks.
3. You are self-motivated, excellent problem solver, a go-getter. You are quick to build relationships and work well with change and ambiguity.
4. You have strong programming skills with tried experience crafting, prototyping, and delivering advanced algorithmic solutions.

## About SquareML

SquareML is an AI/ML Healthcare Analytical Solutions company, subsidiary of Sivisoft Solutions started in 2005, delivering cutting-edge Machine Learning solutions to manage and digitalise your healthcare business. SquareML embraces advanced technologies to deliver services that can easily adapt to the rapidly evolving digital healthcare ecosystem.

Expertise, thorough knowledge, and firsthand experience along with strong Industry specific research skills help us in analysing, designing, and implementing world class machine learning solutions.