Post Title	Mobile Application Developer
Project	runAId
Post Duration	12 months
Reports to	Prof Brian Caulfield, UCD

Position Summary

A mobile application developer is required as part of a pre-commercialisation research project (RunAid) in the Insight Centre for Data Analytics UCD. The position is part of part of the Augmented Human Initiative, which brings together challenges and technologies from diverse areas including Artificial Intelligence, Wearable Computing, and Sports Science. The RunAid project seeks to develop the next-generation of intelligent, mobile exercise apps that are capable of not only monitoring and reporting on a user's exercise habits and achievements but also to proactively tailor their exercise sessions to meet their goals and constraints.

Principal Duties and Responsibilities

This is a 12 month position starting in September 2017 that will see the successful candidate working as part of a dynamic team of computer scientists, sports scientists, and data scientists at the leading-edge of mobile app development. The primary aim of the role is the design and development of the user-facing RunAid mobile app.

Selection Criteria

Mandatory

- A BSc/MSc in computer science/engineering or cognate discipline, with strong analytical and problem-solving skills.
- At least 2 years demonstrable experience in mobile app design and development, for iOS and/or Android Platforms.
- Excellent software engineering skills, including a deep knowledge of modern mobile app development technologies and native programming languages (Objective C, Swift, Java, as appropriate).
- Experience in user focused design and strong interface/UX design skills with experience using modern design tools and practices.
- A hard-working, self-starter with a desire to meet targets and deadlines and make a real impact through their work.
- Strong communication and time management skills with an ability to work well with people with a variety of backgrounds as part of a multi-disciplinary team.

Desirable

- Experience working in an academic research group or startup context and the flexibility and initiative that this entails.
- Experience working in a multidisciplinary context.
- A personal interest in exercise and expertise using modern mobile apps during training.
- Web App development experience (HTML5, Javascript, etc.)

Post Title	Data engineer
Project	runAId
Post Duration	12 months
Reports to	Prof Brian Caulfield, UCD

Position Summary

A data engineer is required as part of a pre-commercialisation research project (RunAid) in the Insight Centre for Data Analytics UCD. The position is part of part of the Augmented Human Initiative, which brings together challenges and technologies from diverse areas including Artificial Intelligence, Wearable Computing, and Sports Science. The RunAid project seeks to develop the next-generation of intelligent, mobile exercise apps that are capable of not only monitoring and reporting on a user's exercise habits and achievements but also to proactively tailor their exercise sessions to meet their goals and constraints.

Principal Duties and Responsibilities

This is a 12 month position starting in September 2017 that will see the successful candidate working as part of a dynamic team of computer scientists, sports scientists, and data scientists at the leading-edge of mobile app development. The primary aim of the role is the design and development of the user-facing RunAid mobile app.

Selection Criteria

Mandatory

- A MSc/PhD in computer science/engineering or cognate discipline, with a background in Artificial Intelligence and Machine Learning technologies and strong analytical and problem-solving skills.
- Demonstrable experience in applying machine learning technologies to real-world tasks using large data-sets.
- Excellent software engineering skills, including a deep knowledge of suitable programming languages (e.g. Python, Java, etc).
- Demonstrable experience in using modern machine learning libraries (e.g. Weka, SciKit-Learn, StatsModels).
- A hard-working, self-starter with a desire to meet targets and deadline and make a real impact through their work.
- Strong communication and time management skills with an ability to work well with people with a variety of backgrounds as part of a multi-disciplinary team.

Desirable

- Real-world experience in development and replying product-read ML features.
- Experience working in an academic research group or startup context and the flexibility and initiative that this entails.
- Experience working in a multidisciplinary context.
- A personal interest in exercise and expertise using modern mobile apps during training

Informal Enquiries to: Prof Brian Caulfield. B.caulfield@ucd.ie