



INTERNSHIP OPPORTUNITY

BLOCKCHAIN FOR HEALTH: RESEARCH ON TECHNOLOGY AND SERVICE REQUIREMENTS

Background

United Health Futures ([UHF](#)) is a consulting company working on sustainable planetary health initiatives. It is composed of a world class team of academics, designers, entrepreneurs, policy makers, technologists, and strategists. UHF mission is to support the development of planetary health initiatives dedicated to the public interest while supporting social and environmental sustainability. The application of digital technologies to improve accessibility and quality of health is one of the areas of UHF's work. Innovative digital solutions, including those based on the blockchain technology, are particularly important at a time when all health systems face economic challenges and greater demands to provide expanded quality care, especially to those most in needs. UHF is looking for an intern to support the analysis of existing and emerging blockchain solutions for health as well as key functional and technical requirements for successful application of blockchain in health.

Description of duties

The intern will work with UHF team to:

- Research on existing and emerging blockchain platforms (e.g. Ethereum) that can be used to develop and deploy solutions for health. Review architecture and other key characteristics. Identify major strengths and weaknesses of different platforms as well as associated risks and opportunities.
- Research on technical specifications and requirements for selected health services that can be offered on the basis of blockchain technology (smart/de-centralised health contracts, managing access to patient data, pharmaceutical product authentication, telemedicine apps, fitness and well-being apps etc.). Gather information from academic literature, publicly available data on existing projects, and/or other resources produced by the expert community.
- Research on functional specifications for selected services / solutions taking into account the context of low- and middle-income countries. Gather information from whitepapers and reviews to analyse how different projects aim to improve end-user experience and to describe common user journeys with particular focus on challenges (or "pain points") that different projects can (or cannot) resolve.
- Support development of knowledge products (e.g. reports, presentations) and online content (e.g. blogs) featuring information about blockchain applications in health to showcase UHF's research in the area;
- Other research and administrative tasks related to the core focus of the internship.

Objectives

Key objectives

1. To contribute to UHF's research on functional and technical specifications for blockchain projects in health;
2. To help UHF identify opportunities and requirements for successful implementation of blockchain projects / solutions for health.



Education

- Studying or completed Master's program in computer or information science, mathematics, or other related field.
- Applications from students pursuing degrees in medical sciences, public health or other domains may also be considered if applicants are able to demonstrate relevant knowledge and skills;

Competencies

- Solid understanding of blockchain technology and key underlying concepts and principles (prior research experience on topics related to blockchain applications is an advantage);
- Excellent research and analytical skills;
- Ability to collect and synthesize information from a diverse range of sources;
- Strong interest in public health and digital technologies;
- Ability to work independently with minimal supervision;
- Strong attention to detail;
- Experience with technical writing (functional & technical specifications, use cases, etc.) is an advantage.

Internship duration

12 weeks, starting October 2021.

Stipend

For the performance of duties described above to the satisfaction of the UHF's management, the intern will receive a stipend of 100 USD per week.

Organization location

Remote work. The placement will be carried out remotely and UHF will provide ongoing support to the intern throughout the placement. The intern will take part in meetings with the UHF team using MS Teams and/or Zoom.

Application process

To apply, please send your **CV** and a **300 word statement** addressing why you would be a suitable candidate to info@uhf.ch by **15 October 2021**.