Firmware & Software Engineer
Oxford

Quantum Dice enables trusted and secure encryption using the power of photonics and quantum mechanics. We are looking for a Firmware & Software Engineer to join our tech team to work on firmware and software efforts for our Quantum Random Number Generator (QRNG) products. Quantum Dice is an award-winning start-up which spun out from the University of Oxford in 2019.

You will be working in a fast-paced and rapidly growing start-up environment, with a friendly, supportive, and ambitious approach. We have a strong culture of trust and respect and can offer lots of varied opportunities and responsibilities for our teams to take ownership of and grow with. We value creativity, integrity, ambition, meaningful teamwork, and fun. We are looking for people with drive and passion. You will be collaborating with a growth minded, diverse team.

Skills and Experience
- **Knowledge of:**
    - SoC (Xilinx-ZYNQ) and ARM architecture
    - Network protocols: Ethernet MAC, TCP/IP, server/client protocols
    - Cloud-based and networking communication
    - Network security
- **Experience in developing:**
    - firmware for embedded system based on RTOS/Baremetal/Linux
    - Kernel-level embedded Linux drivers/modules
    - API and user-interface programs (for Linux/Windows)
- Programming skills: C/C++, Python, shell-scripting
- Knowledge of cryptographic hashing protocols, side-channel attacks and data analysis are a plus.

Quantum Dice Ltd.

264 Banbury Rd, Oxford, OX2 7DY, England

jobs@quantum-dice.com

Job Type: full-time

Starting Date: immediately

Benefits:
- Stock option plan
- 28 days annual leave
- Career development
- Mentorship opportunities
- Rewards and recognition
- Flexible working from home options
- Sponsorship if necessary

Diversity & Inclusion: We strive to create a diverse environment and to be an equal opportunity employer. This means that all qualified applicants will receive consideration without regard to national origin, age, sex, race, disability, pregnancy, marital status, sexual orientation, gender identity or expression, or religious background.