Lab Internship for Overseas Students in Shenzhen Technology University

Internship in Lab of Industry Safety & Security (Reference Number: Intern/b/201809/01)

Lab Introduction

We are a research team of Laboratory of Industry Safety & Security (ISS)of Shenzhen Technology University, which is a partner laboratory with Ostbayerische Technische Hochschule Regensburg(OTH Regensburg).Our team is now working on a project of blockchain technology and its applications in building decentralized apps for Internet of Vehicles(IoV), Internet of Things(IoT), etc.The blockchain technology has three layers: networking layer(devp2p), blockchain framework layer(consensus algorithms, smart contracts), decentralized apps. We focus on researching and developing the blockchain technology stacks for IoV/IoT.Some examples of research topics include new node discovery methods for peer to peer networking, application development on top of peer to peer networking, parallelization in blockchain message processing, inter-chain technology, decentralized applications by smart contracts, etc.

Your Tasks

1. To research Ethereum, EOS, or other popular public blockchains, study their architectures,
2. To research how to improve the performance of public blockchains,
3. To develop decentralized apps using smart contracts, especially digital identity related DApps.
4. To develop blockchains for IoT scenarios.

Requirements

1. Major in computer science or a related technical field
2. Be familiar with golang, or C++, or Solidity
3. Have the interest in blockchain technology or DApp development

Supervisor

Dr. ZHAO Jian
Assistant Professor of Big Data and Internet College
2005-2009 Bachelor of Engineering in University of Science and Technology of China
2009-2014 Ph.D. Degree in Computer Science, the University of Hong Kong, China
2014-2017 Software Engineer in DJI, China
Current Research Interest:Research and development of decentralized systems or distributed systems
Awards: Hong Kong Government Scholarship, Outstanding Graduate of SZTU, Outstanding Graduate of Anhui Province, Shenzhen overseas high-level talents "Peacock Plan" Class C talent.

Please send a full curriculum vitae and passport copy together with copies of qualification documents by

emailto **international_internship@sztu.edu.cn**with the email subject as "Reference Number – Job title – Full name of applicant".

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