



Blockchain Club

University of Auckland

BCC is a new club aimed at promoting blockchain technologies and encouraging students to learn how to interact with blockchains (also known as crypto-currencies). Based at the University of Auckland, our goal towards members of this club is to provide the support for students who want to learn how to program smart contracts, mine a *proof of work* blockchain, participate in a *proof of stake* network, or becoming a node in a decentralized currency. There will also be tutorials that are dedicated to trading and investing in crypto currencies. The club plans to host regular events and workshops to cater to people of all skill levels, so there will be opportunities for all our members to participate. As our members become more experienced, the club will become a platform for connecting our talented members with employers - or launching an internal project.

Our goal for 2018 is to expand cooperation and partnership with New Zealand organizations. However, in order to meet our goals - we need more people on our team! We have several roles available – positions are listed on page 2 onwards.

Please send in your CVs to bccuoa@gmail.com

Applications will close to Tuesday 28th February. Interviews are on a rolling basis, which means we will take candidates as they come.



The following is a list of abbreviations used in this document and their meanings:

- Blockchain - a digital ledger in which transactions made in bitcoin or another cryptocurrency are recorded chronologically and publicly:
- Decentralized - distributed network managed and mined by nodes, decentralized networks allow its users to transfer value with no central authority or third party involved.
- crypto-currency - a digital currency in which encryption techniques are used to regulate the generation of units of currency and verify the transfer of funds, operating independently of a central bank.
- smart contract - computer protocols that facilitate, verify, or enforce the negotiation or performance of a contract, or that obviate the need for a contractual clause.
- proof of work – a system that requires a not-insignificant but feasible amount of effort to deter frivolous or malicious uses of computing power.
- proof of stake - a type of algorithm by which a cryptocurrency blockchain network aims to achieve distributed consensus (a person can mine or validate block transactions according to how many coins he or she holds).
- Node - a point in a network or diagram at which lines or pathways intersect or branch.
- Trading - a form of share dealing in which an entity buys and sells assets over the Internet over a period of a single day (or week time period), with the intention of profiting from small price fluctuations.
- Investing – dedicating money into financial schemes, shares, property, or a commercial venture with the expectation of achieving a profit (long term).

Who we're looking for:

- Passionate about technology, especially hardware and computing technology.
- Willing to learn.
- Keen to meet new people and maintain relationships with them.
- Good communicator, especially within teams.
- Someone who is transparent and notifies the BCC team on any updates.
- People with hands-on experience with mining, staking or trading.

Positions:**Industry Events Team (Lead + Support Positions)**

As one of our Industry Events Coordinators you are essentially BCC's PR team. Your role is to contact external companies and organisations related to Blockchain Currencies, working with them to organise industry related events for the Club. Your main goal is to organise at least one big event per semester.

Responsibilities:

- Organising a panel of industry experts to come in and talk about Blockchain technology and/or internship opportunities. You will be in charge of organising the format and theme of the event and making sure the panellists are ready to go. The panellists can be our sponsors,

UoA staff, and/or other local blockchain related organisations/experts. This will be your biggest responsibility!

- Collaborating with other teams in the Club looking to get in industry experts in for their events. For example, you will work closely with the Tech Team to set up mining workshops. The Technical Team will handle the technical part of these workshops, while you will mainly be in charge of organising industry experts to attend and provide their expertise.
- Organizing and setting up quiz nights.
- Reaching out to new potential industry sponsors and guests.
- Attending executive and team meetings.

Requirements:

- Excellent time management.
- Professional manner.
- Excellent communication and teamwork skills.

Trading Specialist Team (Two Positions)

As a Trading Specialist you will have experience in free market trading (shares, crypto, etc..) and have a good understanding of simple technical analysis. You will lead trading workshops/tutorials and solve any Trading related questions asked by students.

Responsibilities:

- Attend workshops/tutorials to assist in any questions members may have.
- Support any students that are looking to start trading or investing into a crypto-currency.
- Be on the lookout for any ICOs, bearish or bullish trends, buy or sell signals, etc.

Requirements:

- Experience with trading or investing.
- Understanding of the fundamentals trading and investing.
- Understanding of technical analysis.
- Excellent time management.
- Excellent communication and teamwork skills.

Technical Specialist Team (Three Positions)

As a Technical Specialist you will be working under our Lead Technical Specialist to setup club mining equipment, lead build workshops and solve any technical related issues.

Responsibilities:

- Attend field days to assist in any technical issues that may arise with the mining/staking.
- Evaluate malfunctions/issues and perform repairs to our mining rigs.
- Manage our inventory with our Lead Technical Specialist and to make informed decisions on club equipment purchases.

Requirements:

- Experience with building mining rigs is highly mandatory.
- Understanding of the fundamentals of mining/staking operations.
- Experience with blockchain wallets.
- Excellent time management.
- Excellent communication and teamwork skills.

Internal Developer Team (Three Positions)

As an internal developer you will be responsible for developing and maintaining the BCC UOA website under supervision by the Dev Team Leader. This will be the professional interface for the organization and there are many awesome features to be added – such as an interface for trading competition.

Responsibilities:

- Collaborate with the Dev Team to develop the Blockchain Clubs website.
- Design awesome new features and beautiful interfaces.
- Be resourceful and make use of open source libraries when necessary.

Requirements:

- Experience with web design and development.
- Have a portfolio or provide an example of work you have done.
- Have an active Github account; bonus if you know Git command line tool.
- Proficient in languages HTML, CSS, Python, JavaScript [Mandatory]
- Proficient in languages and tools Bash, Amazon Web Services [Not Mandatory]
- Ideally you have experience with Linux/Ubuntu OS.
- Understanding of how APIs work.
- Experience with NoSQL databases – DynamoDB is a bonus.
- Experience reading and storing JSON file data.
- Candidates that understand Solidity will be given a special role within the Team.