Virtual 2020

CODEfest
College Pathways
to Digital Careers

Welcome to Week 5

August 3 - 9, 2020

Cryptocurrency

Have you heard of cryptocurrency? Have you ever wondered how cryptocurrencies like Bitcoin, Ethereum and Ripple work? Cryptocurrencies are digital tokens, they are not physical coins or cash. They are a type of digital money that allows people to make payments directly to each other through an online system. They were set up to allow person-to-person transactions without the need for banks and have no value set by law. They use something called Blockchain to validate each cryptocurrency exchange. A blockchain is a continuously growing list of records, called blocks, which are linked and secured using cryptography.

Did you know that there are a whole slew of careers involved in the fairly new market of cryptocurrency, which has only been around since 2009? Careers in cryptocurrency may have names such as Blockchain Engineer, Web Developer, Software Engineer and DevOps Engineer. Jobs are available in private sectors and, as we continue to advance technologically, it is a rapidly growing field to enter. Salaries for this field can vary but you can expect to enter the occupation with a yearly income of $60,000 - $70,000.

There are a few programs at Mohawk College that can help lead you to a career in Cryptocurrency, thought many of these positions require a university undergraduate or masters level degree on top of a 3 year advanced college diploma, but Mohawk College and McMaster University have a great partnership program for that:

Computer Engineering Technology - 552 - 3 Year Advanced Diploma
Computer Systems Technology - Network Engineering and Security Analyst - 555 - 3 Year Advanced Diploma
Computer Systems Technology - Software Development - 559 - 3 Year Advanced Diploma
Bachelor of Technology (B.Tech.) - Software Engineering Technology - Diploma to Degree Program

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Challenge!

This week, we are taking you to Hour of Code to explore Cryptocurrency. We will be watching a few videos, reading a thing or two, and answering some questions. To be entered to win one of the prizes this week, you will need to complete and submit the following:

Visit the series "What is Cryptocurrency?".
- Watch - What is Cryptocurrency?
- Read - What Can You Buy With a Dollar?
- Answer - Questions 1-6 and submit via e-mail.
- Read - Bitcoin Trends and Value
- Watch - Where Does Cryptocurrency Come From?
- Answer - Questions 1-3 and submit via e-mail.
- Watch - Intro to Bitcoin
- Answer - Explore the Bitcoin Ledger questions 1-9 and submit via e-mail.

Tips:

- Get to each new section by pressing "Continue".
- Remember to take screen shots/photos of your work or copy and paste it to an email to submit for prizes! Clicking the submit button does NOT allow us to see your work.
- If you are struggling, Hamilton Code Clubs Camp can help! Register

Send your completed exercises to experience@iechamilton.ca.
Make sure you include your full name!
Prize winners will be contacted next week via information provided at registration.

If you are interested in exploring Cryptocurrencies further,

follow these links:

Intro to Blockchain, Job Market Infographics, Blockchain Developer,
CryptoZombies, and Ethereum Studio