

Hunter Chen

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hunterchen.ca | Calgary, AB

Key Skills: Python, C, JavaScript, React, Bootstrap, HTML/CSS, Flask, SQL/SQLite

Education

University of Toronto

Sep. 2020 - Present

Honours Bachelors of Science, Statistics and Economics

Projects

DeChess - Decentralized Chess Platform | showcase.ethglobal.co/hackmoney2021/dechess Jun. 2021 - Present

Hackathon/Personal Project | Hackmoney 2021 | *ReactJS - JavaScript - Streamr - IPFS*

- **Led and managed** the development and design of a decentralized peer-to-peer chess web app over the span of **3 weeks**, winning over **\$5700 USD** from **5 sponsors**, with additional funding to support future development
- Wrote and integrated algorithm to randomly and **procedurally generate images** of custom chess pieces as **non-fungible tokens**
- Integrated the **Streamr network** to allow for **real-time peer-to-peer data exchange** across the globe, with **latency under 400ms**
- Utilized **ReactJS** and **JavaScript** to build a **simple, easy to use and responsive user interface**

CoinPort - DeFi Dashboard | showcase.ethglobal.co/scaling/coinport

Apr. 2021 - Jun. 2021

Hackathon Project | Scaling Ethereum | *Python - Flask - JavaScript - ChartJS - HTML/CSS - Bootstrap*

- **Collaboratively designed** and created a web dashboard within **3 weeks** to display in great detail a user's portfolio in the Ethereum decentralized finance environment, winning a sponsor prize of **\$1000 USD**
- Compiled **historical market data** of over **4,400 tokens** and prior balances of an address by processing as many as **30,000 unique transactions** from several different **APIs** using **Python**
- Displayed processed data in user-friendly and customizable graphs and charts on the frontend using **ChartJS** and **Flask** on an **HTML** page with visual improvements implemented using **Bootstrap** and **CSS**

SeCrypt - File Security Solution | hunterchen.me/secrypt

Oct. 2020 - Mar. 2021

Personal Project | Calgary, AB | *Python - Tkinter - Fernet*

- Designed and wrote a simple application to encrypt and decrypt files using **object-oriented programming** in **Python**, utilizing the **Fernet** library, requiring a basic understanding of cryptography fundamentals
- Hides file-unique keys using a sophisticated system involving alternate data streams
- Implemented a clean and functional **GUI** using **Tkinter**

Work Experience

Day Camp Counsellor

Jun. 2019 - Aug. 2019 and Dec. 2019 - Jan. 2020

Shane Homes YMCA at Rocky Ridge, Calgary, AB

- **Led and creatively** conceived novel physical and artistic activities, using **limited resources**, for over **200** children ages **3-13**, as well as in smaller groups of up to **30 kids**
- Utilized excellent **communication** and **teamwork skills** to work harmoniously with children, parents, other camp counsellors, and other non-day camp YMCA staff members/volunteers
- Effectively applied **strong leadership skills** to both lead kids, as well as giving guidance to teenagers ages **14 and up** on developing leadership skills and independence