# Hunter Chen

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## Education

**University of Toronto**                                                                              Sep. 2020 - Present
Honours Bachelors of Science, Statistics and Economics

## Projects

**DeChess - Decentralized Chess Platform** | [showcase.ethglobal.co/hackmoney2021/dechess](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** not exceeding **400ms**
- Utilized *ReactJS* and **JavaScript** to build a **simple**, **easy to use** and **responsive user interface**

**CoinPort - DeFi Dashboard** | [showcase.ethglobal.co/scaling/coinport](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](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