

Peter Kuchel

(403) 815-2762 | peter.kuchel@ucalgary.ca | peter-kuchel.github.io | Calgary, AB

Education

University of Calgary

September 2016 – June 2023

Bachelor of Commerce, Finance | GPA: 3.27

Bachelor of Science, Computer Science | GPA: 3.53

Work Experience

Research Assistant | University of Calgary, DeFi Lab

September 2021 – Present

- Worked under the supervision of Dr. Alfred Lehar at the University of Calgary
- Designed and developed a database and background service to manage and insert decentralized finance data into an extensive research database using Julia and PostgreSQL, which handles over 4 billion+ rows stored across multiple tables.
- Conducted integrity checks by comparing datasets across two large databases which found errors in the production database of a partner data provider.
- Developed tools in Python to aggregate unique Ethereum protocol identifiers by scraping analytic websites using Selenium, and inserted this data to a Postgres Database
- Collected and summarized information on liquidations and auctions for the MakerDAO protocol

Activity Program Facilitator | University of Calgary, English Language Program

June 2019 – Present

- Streamlined processes in the program's budget with Excel by linking cells and separating line items, resulting in efficient entry and visual clarity for both users and managers
- Developed programs in VBA and TypeScript to automate repetitive tasks resulting in time saved for users
- Assisted with organizing key program events, including trips to Banff and Jasper for international students to learn English and participate in a cultural exchange
- Helped guide excursions for groups of 40-250 students alongside other facilitators

Business Development Student | ivy Systems Inc.

August 2020 – April 2021

- Co-executed marketing campaigns on Instagram and Reddit for the company's mobile app, which helped grow 2 new Instagram accounts to roughly 450 followers each
- Co-guided a team of 5 volunteers to develop marketing material and strategies
- Developed tools with Python to scrape data from Instagram and specific university websites to push onto the app
- Inspected features of the company's mobile app and caught 5+ bugs that affected user experience and usability
- Analyzed user feedback to suggest 3 design improvements to the development team

Volunteer Experience

Volunteer Developer | University of Calgary

October 2020 – January 2021

- Developed a script to collect over 35 thousand historical Tweets using Twitter's API in Python under a restriction of 250 requests for a Sociology Graduate students Master's Thesis
- Setup and optimized Python scripts analyzing family member presence during hospital visits for an Epidemiology Graduate students Master's Thesis