Felix Kan

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Work Experience

Revay and Associates Limited   Toronto, ON
Consultant   July 2020 - Present

- Developed data visualization dashboards for lifecycle of construction projects using React, Chart.js, D3.js saving Contractor's expenditures by 20%
- Created automation framework using Python to process data in PDF documents increasing productivity 4x

Regional Municipality of York   Newmarket, ON
Engineering Assistant   September 2019 - August 2020

- Created an optimization tool for searching Municipal water/wastewater infrastructure database through SQL queries on ArcGIS reducing expenses to 3rd party Consultants by 10%
- Create GIS visualizations of water/waste water infrastructure using ArcGIS API for Python
- Carry out Project Management duties such as budget tracking, schedule analysis and monitoring expenditures reducing the responsibility of Project Manager

Projects

Crypto Watch *React, Redux, Javascript, HTML/CSS*
Single page web application to render charts and social feeds for top 250 Cryptocurrencies

- Reduce perceived load time of application by fetching cryptocurrency coin data and social feeds in parallel
- Improved responsiveness of application by minimizing unnecessary re-rendering of components using latest best practices of React hooks (useMemo, useRef, useEffect)
- Display relevant cryptocurrency information such as charts of historic prices, coin data and social feeds (Reddit and Twitter)

Shopify Challenge *React, Javascript, HTML/CSS*
Created dashboard to search and pin movies

- Utilized TheMovieDB API to obtain results from search query

Imagine Math Tutoring *Javascript, HTML/CSS*
Landing Page for tutoring agency

- Features: Mobile responsive, CSS flexbox, light/darkmode

Education

University of Toronto   Toronto, ON
BASc Engineering GPA: 3.34   Sept 2014 - Apr 2020

Awards: University of Toronto Dean's list, 2017 – 2018

Skills

Languages/Tools: Javascript, Typescript, Python, ReactJS, Express, Redux, MongoDB, SQL, C++