Freddy Youngjae Kwak

Software Engineer/Data Analyst

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Freddy Kwak recently graduated from the University of Pennsylvania LPS Coding Bootcamp in Philadelphia, PA, where he learned how to build MERN full stack applications using multiple coding languages. Thanks to his B.A. in Media Production, he strives to combine creativity, collaboration, and technology in every fast-paced and hyper-focused environment.

PROJECTS

Vapor | *Software Engineer* | https://vapor22.netlify.app
E-commerce site that allows users to purchase PC games online
- Created agile 5-page e-commerce fullstack MERN application (MongoDB, Express, React, Node) using JavaScript & Stripe
- Developed custom service workers, models, and schemas using GraphQL, Bootstrap, MongoDB, Express, JWT, and React

Rotten or Fresh? | *Software Engineer* | https://github.com/fredkk22/Rotten_or_Fresh
Backend Python application that scrapes Rotten Tomato's website for the current Top 100 Movies in Theaters
- Created an agile application using Python along with BS4, and XLWT modules
- Extracts and saves data onto an excel sheet, allowing users to analyze and view the data efficiently

E-Back | Software Engineer | https://github.com/fredkk22/E-Back
Backend JavaScript application to manage various e-commerce products
- Created an agile back-end application that allows users to create, read, update, and delete products, tags, and categories using JavaScript, Express.js, MySQL, MySQL2, dotenv, sequelize, and MVC methods
- Developed custom API endpoints so products can be accessed by individual or group IDs

WellSpent Budget Tracker | *Software Engineer* | https://github.com/fredkk22/WellSpent_Budget_Tracker
Backend Python budget-tracking application based on spending categories
- Created agile features allowing users to track their budget using math, re, and unittest Python modules
- Implemented OOP (Object-Oriented Programming) with several methods allowing users to easily deposit, withdraw, transfer, check balance, and create spending charts

Little Lemon Site | *Software Engineer* | https://github.com/fredkk22/Rotten_or_Fresh
Backend Django application for a restaurant name Little Lemon
- Created a fully-functioning restaurant site using Python and Django
- Allows users to view menu items, book a reservation, and allows admin users to view/edit all menu items and bookings

Overall Tech Stack: Python, PowerBI, Tableau, SQL, SQLite, MySQL, MySQL2, Django, Django REST Framework, API development, JavaScript, React/Redux, HTML5, CSS3, Node.js, Express, jQuery, Sequelize, Mongoose, MongoDB, RESTful APIs, Git, Babel, PWA, GraphQL, inquirer.js, dotenv, Handlebars, bcrypt, JWT, Bootstrap, Bulma.io, ESLint, OpenWeatherMap API, IP-API, Stripe API, Edamam API

WORK EXPERIENCE

Teaching Assistant <div align="right">Remote</div>
edX <div align="right">Dec. 2022 - Current</div>
- Support the instructor during class and office hours by answering student questions and teaching when necessary
- Prepare all intellectual, material, student engagement, and classroom management components prior to each class session

Social Media Manager <div align="right">Villanova, PA</div>
1Rule <div align="right">Apr. 2022 – Jul. 2022</div>
- Managed all social media profiles for 1Rule, a start-up E-Sports organization
- Analyzed social media data to create new concepts and utilize trends in E-Sports content
- Edited highlight clips using Adobe AfterEffects & Premiere Pro to upload onto TikTok, Instagram Reels, and YT Shorts

EDUCATION & CERTIFICATES

University of Pennsylvania <div align="right">Philadelphia, PA</div>
UPenn LPS Certificate in Full-Stack Coding

Villanova University <div align="right">Villanova, PA</div>
Bachelor of Arts, Communication | Graduated Dean's List & Cum Laude

ADDITIONAL INFORMATION

LANGUAGES: English (Fluent), Korean (Conversational)

INTERESTS: MCU, Video Game Development, Old Movies, Fantasy Novels, Basketball, Volleyball, Running, Music, Traveling