**Huy Nguyen (James)**

**Data Analyst/Information Security**

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[**https://github.com/viethuy25**](https://github.com/viethuy25)

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SKILLS AND QUALIFICATIONS

* **Operating Systems:** Windows, Linux
* **Programming language:** JavaScript, Python, SQL
* **Data Modeling and Visualization:** Spark, Pandas, NumPy, Sckit-Learn**,** Seaborn, Matplotlib
* **Security knowledge:** TCP/IP, firewalls, routers, SQL injection, XSS injection
* **Tools:** Kubernetes (studying), AWS S3 Bucket, Microsoft Office, Burp Suite, Git
* **Certification:** CompTIA Security+ Certified- June 2020
* **Soft skills:** Communication, Teamwork, Curiosity, Adaptability, Self-driven, Attention to Detail, Problem Solving, Commitment
* **Language:** Vietnamese and English – Fluent

PROJECT EXPERIENCE

[**NBA stat analysis**](https://github.com/viethuy25/nba_stat) **(Personal) July 2020- On going**

* Display data overview and perform **data cleansing**.
* **Graph** height and weight distribution, display changes over time with scatter chart.
* **Analyze** draft round and draft numbers correlation to players performance over seasons **with heatmap and scatter chart**.
* **Data mining** from stats.nba.com and basketball-reference.com. **Clean and reformat** csv and dataframe.
* Hosting a web application and provide data-driven prediction impact of players on AWS Cloud (planning).
* *Language used: Python, NumPy, Panda, Matplotlib, Seaborn, Plotly, nba-api, S3 Buckets, AWS.*

[**Bank loan category analysis**](https://github.com/viethuy25/bank-loan-prediction) **(Personal) Jan 2020- Sep 2020**

* Display data overview and perform **data cleansing**.
* **Graph** bar chart to show overview number of loans per category.
* Perform **Naïve Bayes and K-mean clustering** models with and without emp\_title to **compare** **accuracy scores** to verify weight of emp\_title in approving loan is minimal.
* *Language used: Python, NumPy, Panda, Matplotlib, Seaborn, Plotly.*

**Bookstore website (Academic) Sep 2019- Dec 2019**

* A bookstore website with CRUD and search/filter feature.
* Responsibility: CRUD development, unit testing, object design, SQL-injection security, error/exception handling .
* *Language and library used: JavaScript, HTM, SQL.*

[**Yelp! Big Data Analysis**](https://github.com/nguyenthanhtung2605/yelp-data-analysis) **(Academic) March 2019- April 2019**

* Applied **user-user collaborate filtering and frequent itemset** algorithm with Pyspark and give data-driven recommendation based on user’s inputted postal code
* Use Pyspark Dataframe method to **calculate RMSE and MSE of result recommendations**, suggest possible improvement and report result.
* *Language and library used: Python, PySpark.*

SOCIAL WORK

**Tutor Sept 2015- May 2016**

Bronte College, Mississauga, Ontario

\_ Role: Tutor at math and science for student needs help from grade 9 to grade 11

**Participant at Terry Fox Run Sep 2015**

EDUCATION

**Bachelor of Computer Science – Information Systems September 2016- June 2020**

Concordia University, Montreal, Quebéc