LE HOANG KHANH

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PROFESSIONAL SUMMARY

- 3 years of experience in data science including analysis, MIS, data preprocessing, machine learning models.
- Strong with Algorithms and Data Structures, Discrete Mathematics for Computer Science, self research and apply of Machine Learning and AI models.
- 4+ years on variety of domain knowledge such as Hardware Design, E-commerce, Web Development, Bank & Finance.

TECHNICAL EXPERTISE

Programming and coding languages	HTML, CSS, JavaScript, C, C++, C#, Python, R, PL/SQL
IDE	VSCode, Visual Studio, Jupyterlab - Jupyter Notebook, Pycharm, Spyder, Rstudio, Toad for Oracle, PL/SQL Developer, GCP, DataIku, Azure, AWS
Operating Systems	Windows, MacOS
Machine Learning	Linear Regression, Bag of Words, TF-IDF, Sentiment Analysis, Logistic Regression, Softmax Regression, K-mean, KNN, SVM, Correlation Coefficient, Keyphrase extraction, …

PROFESSIONAL EXPERIENCE

3/2022 – present	**Company:** FPT Software **Project Description:** Use Machine Learning Algorithms and Cloud to solve and deploy customer's requests related to Data Science, AI, ML projects. **Position:** Machine Learning Engineer **Responsibility:** • Working with customers to find out Specs, requirements and check lists of the projects. • Work with DS, DE and DA to solve customer's problems, design & deploy to Cloud and keep on track the performance of the products. • Be familiar with new Data flatforms: DataIku and Squirro to be familiar with customer's resources. • Take responsibility for building, modifying, upgrading product. **Techniques:** • Data Science Workflow and MLOps, create triggers for Scenario in ML Workflow • AWS: Glue, Amazon RDS, Lambda, SageMaker, EvenBridge, … • Snowflake
08/2021 – 11/2021	**Company:** Monster Pixel (monsterpixel.us) **Project Description:** AI Word Format: tool that apply AI, ML to help publisher reducing workloads for editors before publishing books, newspapers,… **Position:** Machine Learning Engineer **Responsibility:** • Build tool that is can learn from editors to automatically word editing (mostly styles). • Work with UI/UX, Product Team to help them define function from scratches. • Take 100% responsibility for building, modifying, upgrading product. **Techniques:** • lxml, ooxml, beautifulsoup4 and python to parse XML files to build functions

	• Change detection in hierarchically structured information (XML Structure) Create Database for ML model from comparing 2 MS Word documents
05/2020 – 05/2021	**Company:** Vietnam International Commercial Joint Stock Bank (VIB) **Project Description:** buid MIS system, Data Analysis, Business Intelligence and Customer Segmentation. **Position**: Data Scientist – Business Development Senior Officer **Responsibility**: • Build report tool for daily, weekly and monthly report for Payroll Department (Oracle database linked to R & Python) to help sales & manager tracking sales. • Analyze data (salary, card, lending, deposit, bancassurance, myVIB, ...) to help bosses to aggregate then find out strategies for next movements (Quarterly). • PIC of Incentives and commission for Sales, Sale Managers, Referrers & contests. And work with HR to build CLP in 2021 (2 phases). • Build Clustering model to segment customer for Banca, Lending Team to help them find down their Customer Persona, then predict potential customers. • Write documentations for data of Payroll & guide for new data Employees. **Techniques**: • PLSQL with Oracle Database, R with Rstudio, Python with Pycharm & Spyder (• Analysis tools (Rstudio, Microsoft Excel, Power BI, Tableau). • Advance Excel Skill to calculate Incentives & Commission. Partime Project : Cureka **Project Description:** I join with friends (co-founder) to help build a technical model in NLP. We are creating an Extension that help Learner (lan = 'en') easier to grasp, solidify information in Internet Era. Improving experience when you search for information on the internet by NLP Techniques **Position**: AI Engineer **Responsibility**: • Abstract summary generator (with DuckduckGo API). • Keyphrase extraction from Abstract. • Content classification. • Content ranking. **Techniques**: • Text Summary with DuckDuckGo API. • Tokenize, POS Tagging, Lemmatization, Graph-based Keyword Extraction using Gensim to score keyword. • Supervised and unsupervised model with PKE (Text_rank & Kea)
07/2019 – 02/2020	**Company:** Developer Circles from Facebook **Project Description:** Recommendation System for new & existing customer for Chotot.CO **Position**: Data Scientist Intern **Responsibility**: • Tracking customer behaviors on the website. • Customer Segmentation based on behaviors. • Build a model that lists products customer might interest. • Improve UI/UX

	Techniques: • Data Analyst using Google Data Studio • KNN • user-user collaborative filtering • Cosine Similarity • Content-based (word frequency) to deeply understanding new customers founded on what they search for.
01/2019 – 07/2019	**Company:** VATICO CO., LTD **Project Description:** Web Developer & Business Intelligence **Position**: Web Developer & Business Intelligence (Data Team) **Responsibility**: • Design & Maintain website to make it faster, stable. • Add more domain (Singapore, Indonesia, Malaysia) • Add more Payments (VNPAY, Wowmelo, VISA-Master) • Advance Business Intelligence to track sales from various channels (Shopee, Tiki, Lazada, Facebook, Website, …) and forecast sales each month to help them reach target. **Techniques**: • HTML, CSS, Wordpress Developer. • Restfull API • Google Data Studio Partime Project : kpct.vn (HTML, CSS Developer)
12/2016 – 01/2019	**Company:** Silver Fang Wolf (Start-up in E-commerce) **Project Description:** Help business grow rapidly but sturdy **Position**: CS Adviser, Digital Marketer, HR, Team Manager **Responsibility**: • Solved about 400-500 tickets a days for customers in all over the world. (CS Adviser) • Make thousands videos for advertising and Facebook Ads : Measure(ROI,CPC,CPM,ROAS,..), improve(creat custom audience & lookalike audience) & scale upto 10000 orders/day. We created trending and lead the market. (Digital Marketer) • Recruited 5 excellent senior CS for the company (HR) • Crawl Data from hundred thousands online shops to find hot products and reduce Marketing budget. (BigBigProduct) • Make sure that all team members working together efficiency and fun **Techniques & tools**: • Zendesk, Facebook Ads Business, Camtasia 9, Final Cut Pro • Scrapy, Beautiful Soup 4
5/2016 – 12/2016	**Company:** Renesas Design Vietnam Co., Ltd **Project Description:** Build Test patterns for Hardware Design. **Position**: Hardware Design Engineer **Responsibility**: • Research and design • Develop, analyze and optimize hardware design • Present Design flow & explain

	• Simulation test
	Techniques:
	• Linux OS, Xcode
	• Hardware Design Tool.
	• Hardware Design Language (Verilog, VHDL).

EDUCATION	
2019	Data Science Track – Dev Circles Vietnam Innovation Challenge
	Developer Circle Vietnam from Facebook
2012 - 2017	Electronics – Telecommuications Engineering
	University of Technology – Vietnam National University Ho Chi Minh City
2009 - 2012	Informatics Team
	Quang Trung High School for the Gifted – Dong Xoai-Binh Phuoc

AWARDS & CERTIFICATES	
2019	Developer Circles from Facebook & CoderSchool
	• *Medal of Victory & Certificate of Completion in Data Science*
2020	Google Cloud Platform via Qwiklabs (*link*)
	Shopee Code League 2020
2021	AWS First Cloud Journey
2022	Shopee Code League 2022 – top 400 (link)
	Microsoft Certified: Azure Data Fundamentals – DP900 (link)
	Microsoft Certified: Azure AI Fundamentals (link)
	Microsoft Certified: Azure AI Engineer Associate (link)
	DataIku Certificate:
	• *Core Designer (link)*
	• *Advanced Designer (link)*
	• *ML Practitioner (link)*
	• *Developer (link)*
	• *MLOps (link)*