**Linh P. Nguyen**

npl02042000@gmail.com | 484-343-5733 |

<https://linkedin.com/in/linhpn0204>

https://github.com/npl0204

**EDUCATION**

**Drexel University** 2021 – 2024 **Pennsylvania, USA**

Data Science, minor Computer ScienceGPA: 4.0/4.0

**University of Birmingham** 2018 – 2021 **Birmingham, U.K.**

Bachelor of Pharmacy (unfinished) First-Class Honors

**RELEVANT COURSEWORK**

Advanced Programming Techniques, Math Foundations of Computer Science, Information Systems, Computer Programming, Data Science Programming, Business Statistics

**PROFESSIONAL EXPERIENCE**

**Research Assistant @ Rezapour Lab | Drexel University | Pennsylvania, USA** June 2022 – Present

**Data Analyst @ Nanocovax Vaccine Clinical Trials (Phase II and III) | Hanoi, Vietnam** June 2021 – December 2021

* Presented the vaccination dataset, a national public dataset that tracks the scope and rate of vaccine deployment during phase III of more than 13,000 participants, then imported it into the SQL database.
* Extracted data from a SQL Server database and created a program for the validation stage of the ETL process using Python. Formulated evidence-based recommendations and processed participants’ data for the following research stage.
* Designed the machine learning model for multi-compartment epidemiological prediction under the direction of the Military Medical Academy and Vietnam Ministry of Health. The model predicts the length of stay in the hospital of COVID-19 patients based on pre-admission features and the total number of cases by day in Vietnam based on previous days and regions.

**Prof. Hai-Nam Nguyen’s Lab @ Hanoi University of Pharmacy Hanoi, Vietnam**

Research Assistant 2016 – 2018

* Planned and conducted organic synthesis experiments.
* Analyzed MS, 1H, and 13C NMR spectroscopy data to determine structures of synthesized compounds; evaluated the inhibitory effects of synthesized compounds on the growth of human cancer cell lines using cytotoxicity assays.

**Vinmec International Hospital** **Hanoi, Vietnam**

Internship @ Hospital Pharmacy June – September 2020

* Developed the online pharmacy service of Vinmec Hospital; analyzed data on customers’ behavior and the sales between the traditional and the online pharmacy.
* Advocated and successfully adapted the “7-day weekly blister plastic Dosette boxes” for the first time in Vietnam to improve product quality and dispensing time.
* Created database for clinical evaluation of new medications.

**Tutorful Birmingham, U.K.**

Tutor December 2018 – December 2021

* Taught 2000+ hours of mathematics to over 30 students (KS3, GCSE, A-Level, and other qualifications).

**TECHNICAL PROJECTS**

**PUBLICATIONS**

|  |  |
| --- | --- |
| 2019 | Novel 3,4-dihydro-4-oxoquinazoline-based acetohydrazides: Design, synthesis and evaluation of antitumor cytotoxicity and caspase activation activity. *Bioorganic Chemistry*, *92*, 103202. <https://doi.org/10.1016/j.bioorg.2019.103202c> |
| 2018 | N′-[(E)-Arylidene]-2-(2,3-dihydro-3-oxo-4H-1,4-benzoxazin-4-yl)-acetohydrazides: Synthesis and Evaluation of Caspase Activation Activity and Cytotoxicity. *Chemistry & Biodiversity*, *15*(10), e1800322. <https://doi.org/10.1002/cbdv.201800322> |
| 2020 | An Improved Procedure for the Synthesis of Amantadine Hydrochloride. *Organic Preparations and Procedures International.* <https://doi.org/10.1080/00304948.2022.2027202> |

**LEADERSHIP AND WORK EXPERIENCE**

**British Pharmaceutical Students’ Association Birmingham, U.K.**

International Representative October 2019 – Dec 2021

* Coordinated UoB School of Pharmacy and British Pharmaceutical Students’ Association, European Pharmaceutical Students’ Association, and International Pharmaceutical Students' Federation to help international students prepare and take license examinations.
* Promoted international events and projects for U.K. pharmacy students; facilitated SEP and Twinnet programs.
* Participated in preparing and promoting the annual international conferences.

Competitions Subcommittee Dec 2020 – Present

* Developed clinical scenarios and cases for the competition; designed promotional materials.

**Vietnamese Society** **@ University of Birmingham**   **Birmingham, U.K.**

President April 2019 – April 2021

* Coordinated with the Vietnamese Student Association in the U.K. and student leaders of Vietnamese Society from other universities to organize events and provide support to members.
* Coordinated with several societies at the University of Birmingham for annual and cultural events.
* Organized more than 10 events annually.

**Student Council @ Hanoi – Amsterdam High School for the gifted** **Hanoi, Vietnam**

Vice President October 2016 – October 2017

* Organized social events for all students and supervised all activities of over 50 clubs at Hanoi – Amsterdam High School.
* Director of NHAT – biggest and most famous annual school spirit event with over 4000 participants.

**SKILLS**

**Programming Languages** Python, Java, SQL, Dart, R, C, Racket

**Tools Microsoft Office,** ChemDraw Professional

**Languages** Fluent in English and Vietnamese

**Awards** University of BirminghamHighest Scholarship, Highest Scholarship for Transfer Students @ Temple University, Anthony J. Drexel Merit Scholarship