

# Anh Dang Phuong (Amy Dang)

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## EDUCATION

### University of Toronto

September 2023 – 2027

BSc Computer Science & Data Science Specialists. Economics Minor. A&S Internship Program.

Toronto, ON

CGPA: 3.97

**Coursework:** Statistics, Theory of Computation, Data Science, Principles of Economics, Advanced Calculus with Proofs

## EXPERIENCE

### Web Developer

November 2024 – Present

Green Speaking Project: UofT WebDev Club × UTESCA

Toronto, ON

- Revitalize website structure and user experience to improve accessibility and engagement, utilizing core web technologies including **HTML**, **CSS**, and **JavaScript**, with a focus on **React/Next.js** and prototyping in **Figma**.

### Marketing Team Leader - Micro Intern

November 2024 – Present

Jam: No Friends App × Headstart

Online

- Lead a team of three to enhance start-up visibility on social media by researching target customer profiles and implementing effective digital marketing strategies.
- Drive brand presence and engagement through tailored content and outreach efforts.

### Data Analyst Intern

July 2024 – September 2024

SAP Vietnam

Hanoi, Vietnam

- Completed intensive training in Data Science applications for Finance, building a strong foundation in analytical methodologies and data-driven insights.
- Developed a comprehensive Strategic Planning report in **SAP Analytics Cloud** to optimize financial forecasting and support informed decision-making.

## PROJECTS

### Stock Market Simulation System (CSC207 Software Design Project) | Java

October 2024 – December 2024

- Led a team of 5 as the **project manager**, ensuring seamless integration and quality by applying **Object-Oriented Programming (OOP)**, **Clean Architecture**, **design patterns**, **Git** version control, and code review practices.
- Contributed to debugging, entity test cases, and CheckStyle compliance, while maintaining system reliability and adhering to project deadlines.

### Predictive Analytics for Auto Insurance Claims (ASNA Hackathon) | Python

October 2024 – November 2024

- Developed a machine learning model using **XGBoost** to predict high-cost auto insurance claims (> \$1000), achieving an accuracy of 93%. Ranked 5th place in the first round of the competition.
- Addressed dataset imbalance through targeted model tuning, optimizing recall for high-cost claims to identify 51% of actual cases while maintaining precision at 77%.

### An Analysis of Summer Olympics (CSC111 project) | Python

February 2024 – April 2024

- Developed an algorithm based on the graph data structure to store data about countries' achievements in the Summer Olympics from 1896 to 2012 with 3 others.
- Created an interface by **networkx**, **numpy**, **plotly**, and **matplotlib** to visualize the results based on the user's inputs.

### Exploring The Progress Towards Quality Education (STA130 project) | R

February 2024 – April 2024

- Implemented statistical models such as **hypothesis testing**, **clustering**, and **linear regression** for three research questions by leading a group of four other colleagues.
- Became one of the 5 projects that was invited to present to a representative from UNICEF.

## ACHIEVEMENTS

### 3rd Place Finalist – Vietnam Unilever Future Leader's League

August 2023 – September 2023

Unilever Vietnam

HCMC, Vietnam

- Solved a business case for **Knorr** by designing a marketing campaign, conducting a buyer survey for actionable insights, and successfully pitching the plan to judges—all within 72 hours.

## SKILLS

**Programming Languages:** Python, R, Java, JavaScript, C++

**Web Development:** HTML/CSS

**Data Visualization & Analytics Tools:** PowerBI, SAP Analytics Cloud, SQL, Orange, Microsoft Office