

PAULINA GRACE KHEW

SYSTEMS DESIGN ENGINEERING AT THE UNIVERSITY OF WATERLOO

(647) 381 7867

pgkhew@uwaterloo.ca

paulinakhew.me

github.com/Paulinakhew

linkedin.com/in/paulinakhew/

TECHNICAL SKILLS

Languages: Python, SQL, C++, PHP, JavaScript, HTML, CSS

Python Libraries: Pandas, Beautiful Soup

Frameworks and Tools: Django, Flask, Git, SQLite3, PostgreSQL, Laravel, Jupyter Notebooks, Bootstrap

WORK EXPERIENCE

Fairtax

Oakville, ON

Jan 2019 – Present

JUNIOR SOFTWARE DEVELOPER

- Developed, designed, deployed, and tested features for the **Django** GrantMatch app using **Python**
- Automated the manual process of creating marketing PDFs by developing a section on the **PHP** FTXGrants system that automatically renders data into a PDF using **HTML**, **CSS**, and **JavaScript** through **PhantomJS**
- Utilized the **Pandas** and **Beautiful Soup** Python libraries to perform **data analysis** to scrape and clean Historical Approvals data using **Jupyter Notebooks**
- Communicated **data science** concepts during hour-long daily teaching sessions

Nutrition House

Toronto, ON

Jan 2013 – Jul 2018

SALES ASSOCIATE

- Applied extensive knowledge of merchandise and **interpersonal skills** to provide outstanding customer service
- Increased sales and customer loyalty through excellent **communication skills** and **enthusiasm**
- Managed all **retail** duties including cashier work, restocking, and inventorying

Self-Employed

Toronto, ON

Jan 2018 – Jun 2018

MATH TUTOR (GRADE 11 FUNCTIONS COURSE)

- Aided mature student to achieve an **outstanding mark** in required math course for **Nursing** degree
- Strengthened **critical thinking** and **problem-solving skills** through adapting various methods to communicate difficult concepts

CODING PROJECTS

Byte Academy

New York, NY

Jul 2018 – Present

WEB TRADER (github.com/Paulinakhew/web_trader)

- Constructed a **Flask** web application for trading **Nasdaq** stocks using the *Markit On Demand* stock quote **API**
- Employed **SQL** and **Python** to create and interact with **SQLite3** databases used to store user information, transactions, and holdings

Hack the Valley

University of Toronto

Toronto, ON

Feb 2018

OUTWEATHER (github.com/Paulinakhew/outweather)

- Created a **Python** web application using **Flask** that suggests outfits based on the current weather scraped from the *OpenWeatherMap API*
- Implemented **modularization** and **Git Flow** to streamline the collaborative workflow

EDUCATION

University of Waterloo

Waterloo, ON

Sep 2018 – Apr 2023

CANDIDATE FOR BACHELOR OF APPLIED SCIENCE (BASc)

- **Motorola Engineering Scholarship** – presented annually to one outstanding student entering first year
- **University of Waterloo President's Scholarship** – awarded to students with admission averages above 90%
- Learned structured and **object-oriented programming** techniques in **C++** in Digital Computation course

Byte Academy

New York, NY

Jul 2018 – Sep 2018

CERTIFICATE OF COMPLETION OF PYTHON FULLSTACK IMMERSIVE COURSE

- Successfully completed 240 hour curriculum of study in full-stack web development program learning **Python**, **SQL**, **Pandas**, **JavaScript**, and **Django** as well as how to navigate the **Linux operating system**
- Utilized **peer programming** and **MVC design pattern** throughout development of the Web Trader application

Cardinal Carter

Academy for the Arts

Toronto, ON

Sep 2014 – Jun 2018

ONTARIO SECONDARY SCHOOL DIPLOMA

Certificate of Achievement in Core French | Honour Roll for Four Years | Ontario Scholar

- Co-founded the **Youth Volunteer Ambassadors (YVA)** club in partnership with **Volunteer Toronto** to promote volunteerism at school through sharing volunteer expositions as well as volunteer opportunities in the area
- Established Carter's first **bassoon quartet** which won first place and a gold award at the **Kiwanis** music festival
- Earned **over 400 volunteer hours** by volunteering weekly as a children's ministry leader at church and performing piano and flute at nursing homes through a club called **Arts for the Benefit of Others (ABO)**

HOBBIES AND ACTIVITIES: Running, team sports, bullet journaling, sketching, reading, playing piano, solving puzzles