

Kevin Wang

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Education

Carnegie Mellon University

Bachelor of Computer Science and Music Technology - Dean's List Fall 2021

Pittsburgh, PA

Aug. 2021 – Present

Western Canada High School

International Baccalaureate Diploma, Alberta High School Diploma – GPA 4.0/4.0

Calgary, AB

Sept. 2018 – June 2021

Relevant Coursework

- Fundamentals of Programming and Computer Science
- Principles of Imperative Computation
- Matrices and Linear Transformations
- Concepts of Mathematics

Technical Skills

Languages: Python, HTML5/CSS3, C++, C, C#, Go, JavaScript, Java, SQL, R, Scala, Ruby on Rails

Developer Tools: VSCode, Jupyter, Typescript, NodeJS, React, Flask, PyTorch, Spark, Kubernetes, Docker, Qiskit, Agile

Technologies/Frameworks: Linux, Git, Amazon Web Services, Microsoft Azure, Microsoft SQL Server Management Studio

Leadership/Work Experience

Computational Cancer Biology Researcher

Jan. 2022 – Present

Carnegie Mellon University

Pittsburgh, PA

- Utilize pandas and SciPy to train and test various machine learning algorithms on cancer biology datasets to determine drug response on tumors
- Develop a stronger understanding of various machine learning frameworks
- Provide updates, ideas, and feedback for other ongoing projects within lab

Tartan Ambassador

Jan. 2022 – Present

Carnegie Mellon University

Pittsburgh, PA

- Conduct in-person and virtual campus tours for prospective and admitted undergraduate students while sharing stories about student experiences at CMU
- Answer visitor questions about CMU and monitor written questions through emails and unanswered questions after events

Director of Media and Communications

Aug. 2019 – June 2021

InterCal Music

Calgary, AB

- Recruited and organized 150+ high school musicians from around Calgary to perform at 20+ senior homes
- Facilitated exchange of stories between musicians and senior citizens through a common passion for music

Student Researcher

Oct. 2019 – Feb. 2020

University of Calgary

Calgary, AB

- Partnered with an undergraduate student mentor to examine how microplastics affected human colon cancer cells
- Learned how to grow cell cultures and change cell mediums
- Performed microarray analysis and used R to evaluate changes in gene expression

Projects/Extracurricular Courses

Grocery Shopping Game | Python

Nov. 2021

- Developed a shopping game where players navigate aisles, collect food, and avoid enemies
- Produced a modified version of Dijkstra's algorithm to track player and efficiently determine shortest path
- Utilizing Selenium to generate more special recipes for higher difficulty

Subway Discord Bot | Python

Oct. 2021

- Created a bot to generate Subway orders for Discord servers
- Implemented Discord.py to send messages and react to messages in order to interact with users
- Stored user-favorite sandwiches for future orders
- Adding preferences settings so users can get orders similar to favourites or try something new

Qubit by Qubit's Introduction to Quantum Computing | IBM and The Coding School

Oct. 2020 – May 2021

- Established mathematical foundations required to perform calculations for quantum computing
- Learned fundamental algorithms and applications in quantum computing, such as Shor's algorithm and Quantum Key Distribution
- Utilized Qiskit to code quantum circuits and algorithms to be run on simulated quantum computers