

Kevin Hang

Master's Student in Software Engineering

Hardworking and enthusiastic student holding a Bachelor in Computer Science degree from the University of Luxembourg.

Education

Master in Software Engineering, University of Amsterdam, Amsterdam, Netherlands

01 SEPTEMBER 2022 - PRESENT

Bachelor in Computer Science, University of Luxembourg, Esch-sur-Alzette, Luxembourg

16 SEPTEMBER 2019 - 19 JULY 2022

Cumulative GPA: 17.3/20

Grade: Very good

General Certificate of Secondary Education (Advanced Level), Lycée Robert Schuman

Luxembourg, Luxembourg

19 SEPTEMBER 2011 - 25 JUNE 2018

Subject area: Natural Sciences - Mathematics

Employment History

Project Tutor Assistant, University of Luxembourg, Esch-sur-Alzette

01 NOVEMBER 2021 - 31 JANUARY 2022

Assist eight first-year students in completing their bachelor semester projects.

Help them do academic research and providing them feedback on their work (scientific and technical).

The topics covered by the students ranged from simple algorithms to creating games.

Selected Projects

Stress-test analysis by Fuzzy Logic

02 FEBRUARY 2022 - 26 JUNE 2022

Project developed under the supervision of adjunct professor Giacomo Di Tollo.

Understand stress-test analysis and develop a fuzzy system able to output a signal to assist bank-based decisions.

Research stress-test analysis in the financial sector and what data is used to perform the stress tests.

Developed a fuzzy system using Python which achieved an average accuracy of 97%.

A model to trade crypto-currencies

20 SEPTEMBER 2021 - 20 JANUARY 2022

Project developed under the supervision of adjunct professor Giacomo Di Tollo.

Created a Python script that is able to download selected cryptocurrency historical prices.

Academic research on different models able to perform cryptocurrency predictions.

Implementation of Deep Learning with Python that predicts cryptocurrency prices which achieved an accuracy of approximately 92%.

A CNF Version of Portfolio Selection Problem

02 FEBRUARY 2021 - 26 JUNE 2021

Project developed under the supervision of adjunct professor Giacomo Di Tollo.

Solve the portfolio selection problem using GASAT (involving .sh extension scripting language and C/C++ files) and create a Python script to interpret the result of the algorithm.

Academic research on stock market and rating agencies.

Using Python to retrieve relevant data for solving the portfolio selection problem.

Skills

Programming languages: Python (3 years: my language of choice and used throughout the bachelor programme), Swift (1 year: used in many courseworks), C/C++ (used in some coursework), SQL (used in courseworks required to manage databases), and Haskell (used during my current Master's studies).

Tools: Anaconda, Visual Studio Code, VMWare, Jupyter Notebook, PowerShell, Xcode, Docker, GitHub, etc.

Libraries: Many libraries were required to be used and learnt during the studies, which include TensorFlow, Pandas, Keras.

Extras: Natural Language Processing such as preprocessing, named-entity recognition, part-of-speech tagging, and NLTK. Experience in scientific and technical writing.

Extra-curricular activities

Certificate of attendance for Space Propulsion Summer School by the University of Luxembourg.

Certificate in Essentials of Corporate Finance Specialization provided by Coursera.

Certificate of participation in E-commerce: how to launch your online sales project provided by House of Training.

Certificate of participation in Codestart 2019: Seventy hours of HTML/CSS courses.

Top 10 in the ActInSpace Luxembourg event.

TOEFL iBT (Score: 104/120).

IELTS Academic C1 certificate.

Part-time jobs as a helpline (COVID-19 related questions/issues), and production team (labelling and preparing COVID-19 test tubes).

Details

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Netherlands

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Nationality

Luxembourger

Date of Birth

17 April 1998

Links

My Online Resume @ KevinHang.com

Languages

Luxembourgish - Native

English - C1

French - C1

German - C1

Chinese - A2