Keon Lee

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EDUCATION

Bachelor of Applied Science - Engineering Physics, Computing Specialization
Queen's University | Expected 2026 | Dean's Scholar Distinction (2023-2024)
Relevant Courses: Data Structures, Algorithms, Object-Oriented Programming, Laboratory Data Analysis

SKILLS

Languages: Python, Java, C/C++, HTML, CSS, JavaScript
Software: GitHub, Git, MS Office, SolidWorks, Fusion360
Libraries/Frameworks: React.js, Node.js, Bootstrap 5, scikit-learn, TensorFlow, Flask

WORK EXPERIENCE

First Year Engineering Tutor | January 2024 – April 2024, Kingston, ON
Freelance

- Tutored first year engineering students at Queen's University on subjects including Physics I/II, Calculus I/II and Introduction to C.
- Total teaching time of 30 hours through in-person and remote sessions.

Student Network Field Technician | May 2022 – August 2022, Toronto, ON
Bell Canada

- Performed preventative maintenance and decommissioning on Bell Canada's cable network, testing network electronics and writing network performance reports.
- Serviced over 200 network stations, installing fibre optic and copper cable.
- Utilized networking and electrical equipment with engineering documents to gauge the performance of the cable network.

PROJECTS

NHL Face-Off Outcome Predictor | Python, scikit-learn

- Created and trained a logistic regression model to predict the outcome of a face-off for NHL games.
- Trained and tested using data from the NHL API, gaining an accuracy of 54%.

Gametime | React.js, Node.js

- Developing a web application with a wide selection of games including Tic-Tac-Toe, Snake, and Connect4.

INVOLVEMENT

QMIND AI | Design Team Member

- Implemented quantum key distribution algorithm for encrypting future communications against quantum computers in Python using Google Criq quantum library and Socket programming.

Queen's Hyperloop | Software Development Contractor

- Created a web application GUI for displaying and controlling vital information for a vehicle, designed using Figma, HTML, CSS, and JavaScript with Flask backend.

Queen's Quantitative Trading Team | Team Member

- Developed and trained a machine learning algorithm to determine profitable pricing derivatives for selected stock options using scikit-learn and TensorFlow.