Linden Kwok

Software Developer

Solution-oriented software developer with interests in data security, artificial intelligence and algorithm efficiency. Self-motivated and team focused work attitude.

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Github
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Education:

Simon Fraser University - Bachelor of Science Degree: Computer Science   **2017 - 2020**

Coursework and Specialization: Artificial Intelligence: Computational Vision. Fullstack Development. Computer Graphics. Algorithm Complexity and Efficiency. Cybersecurity. Database Systems.

Langara College - Associate of Science Degree: Computer Science   **2014 - 2017**

Skills:

C/C++, Python, Java, HTML, CSS, Javascript, Matlab, TensorFlow, MySQL, Postgres, Git

Projects and School Work:

COVID-19 X-Ray Classification using TensorFlow   2020

Description: Using a dataset of X-Ray scans of individuals with viral pneumonia we trained a convolutional neural network to classify cases of viral pneumonia, specifically to identify positive cases of COVID-19. Using Python and TensorFlow we trained a model that accurately classifies COVID-19 X-Ray scans with 91% accuracy.

Contribution:
- Dataset preprocessing: Image Augmentation, Image resizing and recolouring
- CNN Architecture design: Minimizing Bias
- Debugging/Testing

Study Helper Web Application   2020

Description: A web application targeted at students and teachers with the goal to help students better connect with their instructors, other students, and improve learning through cue cards. Built using React and MySQL on an MVC architecture.

Contribution:
- Implemented Calendar Feature: Frontend UI, Backend, Timezone Compatibility
- Implemented Cue Card Creation Feature: Frontend UI, Backend
- Frontend UI and Usability
- Deployment to GCP: App Engine and Cloud SQL
- Debugging/Testing

Accomplishments and Awards:

Presented at Hubbub 11: C02 Emissions Calculator - Android Application
City of Vancouver - 2018

President's Scholarship
BC Hydro - 2014

Marcel Doucet Scholarship
Richmond Cosom Floor Hockey Association - 2014