

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 

LinkedIn 

l-kwok.github.io

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, Matlab, Java, HTML, CSS, Javascript, NodeJS, MySQL, Postgres, Git, Docker

Projects and School Work:

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, NodeJS, 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

C++ Raytracer  **2020**

Description: A C++ application that simulates the effects of light on different surfaces and materials. Involves using C++ and 3D math to calculate pixel colour and light bouncing within a scene.

Contribution:

- Implemented Vector-Sphere intersection functions
- Implemented Tracing function to calculate the direction of bouncing light
- Implemented rendering function to save and display images
- 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