

Matthew Ladd

SOFTWARE ENGINEER CONESTOGA COLLEGE

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About Me

A product-minded software engineer with experience in GUI applications, web-based applications, and configuring databases through other programs. A strong leader that is capable of stepping forward to help team members with solving any issues that might arise.

Skills

Programming: C++/C/C# · Python · Java · SQL · JavaScript

Data: MySQL · SQLite · SQLServer · MongoDB

Ops: Docker · Kubernetes · AWS

Web/Media: Spring · React · Angular · CSS · HTML5

Analytics: Excel · Power BI · OLAP · Google Analytics

Design: LucidCharts · Balzamiq · Power BI · Pencil & Paper

Environments: Android Studio · Visual Studio · Linux · IntelliJ · PyCharm

Experience

Otekha Health

Waterloo, ON

Front-End Developer - Internship

Jan. 2021 – May. 2021

- Developed an Electronic Medical Record (EMR) application that strives to help streamline a medical employee's day
- Languages: React, Spring Framework, MongoDB, MySQL
- Features Implemented:
 - Next Generation Access Control (NGAC): allowing authorized employees access to patient records or employee notes
 - Created a component for displaying and adding notes, with the ability to pin-point exact locations on an image of the patient
 - Developed a server to communicate with a Mongo Database to allow for communication with components
 - Created the UI for the following workflows:
 - Assigning vaccines and medications to patients
 - Showing previous lab results

Education

Conestoga College

Waterloo, ON

SOFTWARE ENGINEERING TECHNOLOGY (OCAD)

Sep. 2018 – Apr. 2021

- Dean's Honours List: 85% Average
- Graduated with Distinction
- GPA 3.75/4
- Notable Courses:
 - Network Application Development:
 - Researched and implemented server and client-side technologies and architectures culminating in an internet accessible full-stack network application
 - Business Intelligence:
 - Learned and used several analytical technologies such as MS Chart, OLAP, Google Analytics and MS Power BI
 - Performance, Implementation and Optimization:
 - Demonstrated performance monitoring with techniques such as data logging, code tracing, memory caching and performance counters
 - Software Quality:
 - Studied various design patterns and anti-patterns
 - Learned and started developing inside of agile work environments
- Large-Scale Projects:
 - Developed a cross Canada transportation management system alongside a simulation to demonstrate its uses in an agile work environment while acting as the communications manager for the team
 - Created a Kanban visualizer for a lamp factory as part of a two-person team, developing the simulation that would drive a visual component showing the part values along the assembly-line and an administration application to change settings within the database and simulation

Notable Certifications

Spring – Spring Framework Master Class – Java Spring the Modern Way (Udemy)

Docker – Docker Mastery: with Kubernetes - Swarm from a Docker Captain (Udemy)

Kubernetes – Learn DevOps: The Complete Kubernetes Course (Udemy)

Activities and Interests

- Modifying & Playing Video Games
- Dungeons & Dragons
- Hockey