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, configuring databases through other programs, and have strong leadership skills by being able to step forward and helping team-member's with solving the issues that arise.

Skills

Programming: C++/C/C# · Python · Java

Analytics: MySQL · SQLite SQLServer · MongoDB · Excel

Ops: Docker · Kubernetes

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

Prototyping/Diagramming: Balzamiq · Power BI · Pencil & Paper

Environments: Android Studio · Visual Studio · Linux · IntelliJ

Experience

Otekha Health   *Waterloo, ON*

Front-End Developer - Internship   *Jan. 2021 – Apr. 2021*

- Developed an Electronic Medical Record (EMR) application that drives to help streamline a medical employee's day.
- Languages: React, Spring Framework, MongoDB, MySQL
- Features:
    - With Next Generation Access Control (NGAC) in mind allowing certain employees access to patient records or other employee notes
    - Created a notes component that would display all previous notes, allow the ability to add notes, ability to pin-point exact locations on an image of the patient for better understanding of issues
    - 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
- GPA 3.75/4
- Courses:
    - Advanced SQL
        - Using SQL Server to solve problems assigned by the teacher
        - Creating a C# applications to connect with a SQL Server database and create a full Kanban system, showing results in real-time of the items being manufactured
    - Business Intelligence
    - Computer Security
        - Using Wireshark to document activity on a network
        - Documenting issues with a company's private information and what was leaked to the internet
    - Software Quality
        - Learning proper coding patterns and how to spot poor patterns
        - Creating documents to report code applications to higher up members of a team for an explanation of progress in an application
        - How to properly present a system to a team

Notable Certifications

Google Analytics
Google Analytics for Beginners (Google Analytics Academy)

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

- Building and Tweaking Computers
- Modifying and Playing PC Games
- Computer Security
- Web Development