

# Timofey Lykov Software Developer

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## Skills

### TECHNICAL

- Languages: C++, C, Java, Python, SQL, x86 Assembly, Javascript, Typescript
- Operating Systems: MacOS, Linux
- Other: Git, GoogleTest, CMake, Angular, HTML, CSS, Node, Docker
- Software: VSCode, Unity, CLion, IntelliJ IDE, Android Studio

### TRANSFERABLE

- Solid problem solving learned through debugging, coding and from experience in house painting
  - Teamwork through various school projects and team oriented jobs
  - Strong communication skills from multiple customer service jobs and coordinating with team members
  - Fluent in Russian
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## Projects

### NOTE TAKING WEB APP, CMPT 372 - SERVER-SIDE DEVELOPMENT, MARCH 2023

- Created a web application to record and store notes
- The project included writing a server using Node, developing the site using the Angular framework, storing notes on a Mongo database and building the project with Docker
- The application is deployed using Google Cloud Platform
- The experience allowed me to learn about the entire process behind deploying a web application and using cloud computing tools
- [Link to project](#)

### CHAT GAMES WEB APP, CMPT 373 - SOFTWARE DEVELOPMENT METHODS, OCTOBER - DECEMBER 2022

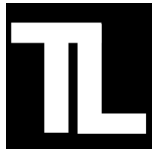
- Worked in a team of 7 student to develop a chat application with features including creation of public and private lobbies, and several mini games to choose from
- The system implemented had an emphasis on flexibility, scalability and good design practices with future changes and features in mind
- Gained experience in designing flexible software systems, developing using modern C++ principles, as well as managing larger projects using Git in a group

### PARALLEL ALGORITHMS, CMPT 431 - DISTRIBUTED SYSTEMS, MARCH 2022

- Parallelized various algorithms and data structures using threads and processes in C and C++
- Experienced using pthreads, C++ threads and MPI libraries for concurrency and concurrency control
- Parallel algorithms developed include PageRank, Monte Carlo area estimation, Single Source Shortest Paths

### UI PROTOTYPE, CMPT 363 - USER INTERFACE DESIGN, DECEMBER 2021

- Prototyped a redesign of Moodle's learning platform app with the goal of providing a better user experience using the Figma prototyping web app
- Analyzed existing UI problems and followed up with the prototype based off findings
- Experienced designing UI and analyzing User Experience
- [Link to project](#)



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## Work Experience

### **SKIPPER, AQUABUS FERRIES, VANCOUVER, BC — SEPTEMBER 2021 - PRESENT**

- Small vessel operator and deckhand for ferries in False Creek, Vancouver
- Responsible for safely transporting up to 30 people at a time
- Further developed efficient communication skills through coordinating with other vessels on the water

### **HOUSE PAINTER, UNIVERSITY PAINTERS, VANCOUVER, BC — MAY 2021 - AUGUST 2021**

- Worked with a team of painters with additional leadership responsibilities
- Expanded on teamwork and communication skills by working efficiently with other painters and by meeting the additional needs of the clients throughout each project

### **HOUSE PAINTER, STUDENT WORKS PAINTING, VANCOUVER, BC — JUNE 2020 - AUGUST 2020**

- Worked with attention to detail while keeping up with the time requirements
- Required problem solving in order to paint hard to reach places such as areas high above the ground

### **DELIVERY DRIVER, LORDCO AUTO PARTS, RICHMOND, BC — MAY 2019 - FEBRUARY 2020**

- Truck delivery and pick up of auto parts under time pressure including the transportation of dangerous goods and using a forklift ensuring to keep in line with safety measures

### **FOOD CONCESSION, ARAMARK CANADA, VANCOUVER, BC — JUNE - SEPTEMBER 2015, 2016, 2017, 2018**

- Customer service, food preparation, catering services and cashier during baseball games at Nat Bailey Stadium

### **SOCCER REFEREE, BC SOCCER ASSOCIATION, VANCOUVER, BC — SEPTEMBER 2015 - SEPTEMBER 2016**

- Refereeing U11/U12 8 a-side soccer games for KLM Soccer Club
- Provided leadership and decision making experience as I had to make calls knowing that coaches, players and parents of the opposing team could be unhappy with them

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## Volunteering

Coding Buddies, Saint Nicholas Church, Bright Nights in Stanley Park, UBC Apple Festival, UBC Plant Sale

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## Education

### **SIMON FRASER UNIVERSITY, BURNABY, BC — SEPTEMBER 2018 - APRIL 2023**

- BSc Computing Science

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## Interests

### **MUSIC**

- Around 9 years of experience playing trumpet
- Attended Lord Byng's music program throughout high school, playing in the wind ensembles, jazz bands and symphony orchestra, then was a member in SFU's jazz club and KPU's wind ensemble
- Performed in Christ Church Cathedral in Dublin, Ireland with Byng's wind ensemble in 2017

### **SOCCER**

- Played soccer for 6 years, then worked as a referee for the KLM soccer club