

Liam Janicke

☎ (250) 686-1319 ✉ liam.jaenicke@gmail.com 🌐 github.com/lijae101
<https://react-portfolio-ecru-alpha.vercel.app>

TECHNICAL SKILLS

Languages: JavaScript, HTML, CSS, Java, C, C++, C#, Python, Kotlin, SQL

Developer Tools: Git, AWS, Docker, Postman, Azure, Selenium, Swagger, Tomcat

Libraries/Frameworks: ReactJS, Node.js, Express, ASP.NET

PROJECTS

EquiTip | Industry Project (SoulSurfer Software)

- Built and deployed a **mobile app (iOS & Android)** for small restaurants to manage **fair tip pools** as part of a **five-person team**
- Developed **front-end** with **Draftbit** and designed the core **tip calculation logic**
- Implemented key features including playground (simulation) and presets (saved configurations)

Quiz App | Academic Project

- Developed a full-stack quiz web app for elderly users in a **team of 5** using **Java Servlets**, **MySQL**, and **WebSockets** and a **RESTful API**, supporting individual and real-time group play
- Implemented admin and user interfaces, allowing admins to create/edit quizzes with multimedia
- Implemented **user authentication and role-based access control** with all data managed in MySQL

NextUp | Academic Project

- Developed a **mobile application** in a **team of five** using **HTML**, **CSS**, **JavaScript**, and **EJS**, enabling users to create groups, suggest activities, and use a **randomizer** for activity selection
- Implemented a **real-time chat feature** using **Web Sockets** to enable instant communication within groups

Drone Control API | Academic Project

- Developed a **RESTful API and web dashboard** in a **team of 4** to control a drone, enabling flips and directional flight maneuvers
- Integrated an **OpenCV-based AI model** for real-time face detection, allowing autonomous tracking of selected individuals

EDUCATION

Computer Systems Technology Diploma (Client/Server Option) | 91% GPA **May 2025**
British Columbia Institute of Technology

- Intense, 2-year diploma covering all aspects of software development
- Emphasis on full-stack development, networking, and client-server architecture
- Hands-on experience through various industry projects

Master of Science (Partial) | Biology **September 2022 – April 2023**
Simon Fraser University

- Worked on Research project in bioinformatics using Python, Bash, R
- Gained experience working in UNIX/Linux environments

Bachelor of Science | Biology **January 2022**
Heinrich-Heine University, Duesseldorf, Germany

- Completed bachelor's thesis using Python and applied quantitative biology methods, including statistical analysis using R

WORK EXPERIENCE

Biological Technical Assistant | Labor Dr. Wisplinghoff **November 2021- March 2022**

- Worked in a fast-paced, demanding COVID-19 Laboratory
- Preparation of up to 2000 PCR tests per day
- Processing of received samples using the Medat lab system

OTHER

Additional Skills: Fluent in English and German

Activities: Member of Burnaby Spartans Soccer Club (since 2023), competing in VMSL