

# Nate Sternberg

705-826-2591 | Vancouver, BC | sternbergnate@gmail.com | linkedin.com/in/nate-sternberg

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, C++, C#, Oracle SQL, MySQL, JavaScript, TypeScript, HTML, CSS, R

**Frameworks:** React, Node.js, Flask, Yarn, JUnit, RESTful

**Developer Tools:** Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Linux

**Libraries:** pandas, NumPy, Matplotlib

## PROJECTS

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**InsightUBC Query Application** | *JavaScript, TypeScript, HTML, CSS, Git* Jan 2022 – Present

- Implemented system to process JSON queries about UBC course and room data in Typescript
- Developed a RESTful API to communicate between Typescript back end and JavaScript front end
- Performed extensive code refactoring to ensure readability and ease of future maintenance
- Managed project progress with proper documentation through GitHub Issues

**BCS Hacks Hackathon - Color Fill** | *Java, Git* Mar 2022

- Designed program to process and cleanup images for coloring in Java
- Created Java Swing GUI to view, select, and colour imported coloring images
- Collaborated in a three person team to design and produce project in 8 hours

**Community Centre Database Project** | *SQL, PHP, HTML, CSS, Git, Linux* Sept 2021 – Dec 2021

- Developed a database system for a community centre's front desk using SQL
- Connected HTML user interface to SQL database with PHP implementation
- Wrote in-depth SQL queries to aid user experience
- Organized regular team meetings and oversaw group progress

**Battleships** | *Java, Git* Jan 2020 – Apr 2020

- Developed a standalone Battleships game using Java
- Designed GUI using built-in Java features
- Created a robust JUnit test suite to ensure proper implementation and performance
- Developed a player-vs-player mode with built in saving and loading

## WORK EXPERIENCE

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**Junior Programmer** | *EmerCom Technologies* Spring 2020

- Designed product selector for company website using WebFlow
- Assisted with build tools prototype for an embedded server on Linux
- Wrote proof-of-concept in JavaScript for embedded server

## EXTRACURRICULARS

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**Computer Science Tutor** Jan 2020 – Present

- Tutored students in first-year Computer Science courses
- Incorporated course material to assist in students' learning
- Provided a combination of online and in-person instruction

**Community Event Organizer** Sept 2021 – Present

- Scheduled, hosted and lead activities for groups of 4-5 people
- Supported and ensured proper communication between participants
- Applied creative problem-solving tactics to ensure positive participant experience

## EDUCATION

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**The University Of British Columbia**

*Bachelor of Science in Computer Science*

Vancouver, BC

*Sept. 2019 – Present*