Viktor Alvar

https://viktoralvar.com

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Skills

- **Languages**: Java, C, C++, HTML, CSS, JavaScript (Node/React), SQL
- **Tools**: Visual Studio, Eclipse, Android Studio, Git, Postman, Slack, Trello
- **Operating Systems**: Windows, Linux (Ubuntu/Fedora)

Projects

- **Happy Days** *October 2018 – December 2018*
  - Worked as a team of 3 to make an Android application that promotes a healthy lifestyle for citizens living in the city of New Westminster
  - Used New Westminster's open datasets and Mapbox SDK to draw local routes onto a map
  - Used Android Studio's Layout Editor to implement the user interface

- **Android GPS** *April 2019*
  - Worked as a team of 4 to make an Android application that sends its location to a server and displays them onto a map
  - Implemented the android application's user interface and network connection to the server
  - Used socket programming in Java to establish a connection to a NodeJS server

- **File Transfer Application** *March 2019*
  - Created a desktop application in C++ that tested the difference between TCP and UDP by sending datagrams between two Windows workstations in a LAN
  - Established a client/server connection and collected statistics such as packet loss and transfer speed to compare both protocols
  - Implemented the user interface using the Win32 API

- **FreshFridge** *April 2018 – May 2018*
  - Worked as a team of 4 to make a mobile responsive web application that recommends recipes based on the ingredients in your fridge
  - Developed a feature that allowed users to save unused ingredients into their digital fridge
  - Used NodeJS/Express to request recipes from a third-party API and neatly displays them onto a responsive web page

- **Purposely** *May 2019*
  - Interned at a local startup that provides non-profit organizations with a volunteer management tool and helps individuals find volunteering opportunities
  - Designed and developed a feature that allows admins to quickly approve or reject incoming volunteer applications
  - Used REST API in Django to modify the database
  - Created and modified the state of the website using React/Redux

Education

- **British Columbia Institute of Technology** Burnaby, BC
  Computer Systems Technology Diploma - Data Communications Option *September 2017 – May 2019*