# Sheldon Fries

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https://sheldonfries.com
https://github.com/sheldonfries

## Experience

### Rizing Geospatial — Remote

*Senior Developer* — *April 2023 – Present*

*GIS Developer* — *December 2021 – March 2023*

- Implemented interface in Python to update and maintain roadway crash locations and related business data, to help inform traffic decisions
- Built Python system to process geographical and business data updates to electrical grid network, and sync with SAP HANA database
- Lead team of Junior Developers to develop REST API in .NET for accessing geospatial data from various databases and web services
- Collaborate with Project Managers to define requirements and design implementations for client projects

### Esri Canada — Vancouver, British Columbia

*Developer* — *June 2019 – December 2021*

- Developed full stack web applications for clients using Angular, C#, and the ArcGIS platform
- Worked with a team of GIS analysts to build geospatial applications for clients
- Wrote Python scripts to automate data processing workflows for GIS analysts
- Collaborated with up to 15 team members, practicing Agile software development and using Azure DevOps to maintain code quality/coherence

### Canadian Web Hosting — Vancouver, British Columbia

*Junior Programmer* — *May 2018 – February 2019*

- Designed websites for the company using Meteor, React, and Angular
- Leveraged knowledge in Full Stack web development, algorithms & data structures, and Git

## Education

### Simon Fraser University — Burnaby, British Columbia

*Bachelor of Science (Computing Science Major)* — *January 2018 – April 2020*

- Programming coursework in algorithms & data structures, operating systems, databases, machine learning, and software engineering
- Dean's Honour Roll - Spring 2020

### Langara College — Vancouver, British Columbia

*Associate of Science (Computer Science)* — *January 2015 – December 2017*

- Dean's Honour Roll - Spring 2016, Fall 2016

## Projects

**Transit / Next Bus**

Angular web application using local transit authority and Bing Maps APIs to find next bus

**Goofspiel**

Android game developed in Java with custom graphics and animations

**HIIT Timer**

Android application developed in Java following material design principles

## Skills

**Languages:** JavaScript/TypeScript/HTML/CSS, Python, Java, C/C++, C#/.NET, SQL
**Frameworks/Libraries:** Node.js, Angular, jQuery, ArcPy, Maps SDK for Python/.NET
**Tools/Miscellaneous:** Windows, Linux, Git, Azure, AWS, ArcGIS