

# Derek Robinson

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Objective: To solve engaging data-related problems in a meaningful industry

## Professional Summary

- Six years of programming experience, three years of data analysis experience
- Diverse technical skillset: Python, SQL, qualitative analysis, data visualization, and Jupyter
- Proficient with the Microsoft Office including Microsoft Publisher
- Strong soft skills in teamwork and communication

## Skills

- |                    |                        |                   |
|--------------------|------------------------|-------------------|
| • Python - 5 years | • numpy - 4 years      | • LaTeX - 3 years |
| • SQL - 3 years    | • Jupyter - 4 years    | • React - 1 year  |
| • git - 5 years    | • matplotlib - 4 years | • Docker - 1 year |
| • pandas - 5 years | • R - 1 year           | • Figma - 3 years |

## Professional Experience

### **Data Analyst** – Substance UVic – September 2023 to Current

- Creation of analytics and reporting products such as weekly, monthly, and annual reports
- Creation of ad-hoc reports and presentations for external stakeholders including provincial health authorities
- Data cleaning of both qualitative and quantitative data to ensure completeness and accuracy
- Development and maintenance of python reporting scripts and SQL queries

### **Research Assistant** – CHISEL Group – September 2021 to August 2023

- Designing and conducting qualitative research on user interfaces, user experience, and human-computer interaction
- Development of a dashboard using Python and the Plotly Dash library
- Quantitative and exploratory data analysis using Python and SQL
- Acquisition, processing, and analysis of open source Python project data
- Bayesian inference and analysis using R and RStan
- Academic writing and correspondence

### **Research Programmer** – CHISEL Group – May 2020 to August 2021

- Devising a qualitative research plan to study debugging strategies in Jupyter Notebooks
- Development of study materials including interview guides and Python Jupyter Notebooks containing data exploration and visualization code
- Analyzing qualitative video data using ATLAS.ti 8
- Academic writing and correspondence

### **Operating Systems Migration Manager** – UVic CMSF – September 2019 to April 2020

- Migrating various Windows PCs from older OS (Windows XP, 7, etc) to newer Windows OS (Windows 8 & 10).
- Creation of virtual machines to support running outdated software on new Windows OS
- Building, upgrading, and ordering parts for computers

## Publications

1. Error identification strategies for Python Jupyter notebooks - ICPC 2022
2. Two approaches to survival analysis of open source Python projects - ICPC 2022
3. A distributed model to expand the reach of drug checking - Drugs, Habits and Social Policy 23.3 (2022)
4. Autonomy Is An Acquired Taste: Exploring Developer Preferences for GitHub Bots - ICSE 2023

## Education

University of Victoria – Victoria – Graduation 2021

- Bachelor of Science - Major: Chemistry - Minor: Computer Science – Work Experience

University of Victoria – Victoria – Graduation 2023

- Master of Science - Computer Science
- Thesis: The Evaluation of a Drug Checking Software Platform that Enables Remote Point-of-Care Drug Checking

## Volunteer Positions

- Drug checking technician – Substance UVic – September to December 2019
- Software Developer – Substance UVic – January to April 2020

## Interests and Hobbies

- Creative – Music Production, Graphic Design, Generative Video Synthesis
- Athletic – Rock climbing