

Sam Childerhose

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EDUCATION

University of Toronto - St. George

Sep 2018 – Aug 2023

Bachelor of Science in Mathematics, Minors in Computer Science & Statistics

Toronto, ON

AWARDS

The Galois Award in Mathematics

2019, 2020 & 2021

Dr. James A. & Connie P. Dickson Scholarship In Science & Mathematics

Sep 2018

J. S. Mclean Scholarship

Oct 2018

EXPERIENCE

Software Engineer

May – Dec 2022

PocketHealth | Golang, Typescript, Angular, MySQL, Looker, GitLab

Toronto, ON

- Implemented user interface for navigating health records using Angular, TS & Go
- Designed and implemented ETL pipelines for Health Records and Zoho Ticket data using Go, including planning and deploying the necessary schema and SQL tables
- Collaborated with cross-functional teams to identify data requirements, design data models, and streamline data flows to support business operations and reporting needs
- Developed and maintained proposals & documentation using Notion
- Leveraged Looker to analyze and visualize client & customer data, providing actionable insights for stakeholders
- Assisted in general maintenance and implemented robust unit and integration tests using Angular & Go

Junior Marketer

May 2019 – Sep 2019

Consulnet | Javascript, Tableau, Excel, MySQL

Toronto, ON

- Made changes and bug fixes to clients' personalized websites using JS/HTML/CSS
- Utilized Google and FB Analytics to track and measure clients' marketing campaigns performance
- Conducted A/B testing on marketing campaigns to evaluate effectiveness and improve conversion rates
- Collaborated with cross-functional teams to gather and interpret data, providing actionable insights for decision-making
- Developed data-driven presentations, reports and dashboards (using tableau) to communicate campaign performance to stakeholders

Customer Service Consultant

May 2018 – Jan 2019

Rogers |

Toronto, ON

- Proficient in conducting sales calls to clients, consistently achieving or exceeding sales targets

PROJECTS

Apache Age Contributor | C, Postgres, OpenCypher

2024 – Present

- Made code & documentation contributions to the open source project Apache Age (an extension to implement graphs in Postgres).

Twitter & Kijiji Analytics | Python, PostgreSQL, Tableau, Scikit-Learn

2022 – 2023

- Harnessed Python with scikit-learn for scraping & analysis, PostgreSQL for data storage and employed Tableau for visualizations & dashboards for data from Twitter and Kijiji

TECHNICAL SKILLS

Languages: Java, Golang, Python, SQL (MySQL & Postgres), JavaScript/Typescript, R, VBA

Frameworks: Angular, React, Node.js, Material-UI, Bootstrap, PyTorch, Scikit-Learn, Maven

Developer Tools: Git, Docker, VS Code, Android Studio

Libraries: pandas, NumPy, Matplotlib, Axios, RxJS, Jasmine, Selenium, OpenCV

BI Tools: Looker, Tableau, PowerBI, Excel