

# Chris Warren

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## About Me

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A dynamic and team-oriented software engineer with a keen interest in DSP and machine learning looking to push boundaries and further advance my skills. I excel at adapting to new roles and rapidly adopting new technologies. My passions for both data science and software engineering allow me to approach problems from a unique perspective. I can conduct scientific research with reproducibility and scalability in mind from the start. I can also develop software with solid technical understanding of the underlying domain specific applications. In my free time I enjoy cycling, repairing old electronics, playing dungeons and dragons and building models.

## Education

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University of Victoria | B.S. Computer Science, Minor in Music

Graduated 08/2021

## Experience

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### Scientific Programmer / Analyst

10/2021 – Present

Kinsol Research | Victoria, BC

Kinsol Research is a data science consulting firm with a variety of clients. I have had the opportunity to work on numerous projects including software engineer and data science roles with both large and small teams.

My duties at Kinsol Research have included:

- Developing and maintaining APIs for rapid prototyping and production
- Optimizing and scaling scientific algorithms for production
- Developing DSP algorithms and performing analysis of large datasets
- Building highly maintainable and reproducible codebases using docker and CI
- Developing training pipelines
- Managing and developing cloud solutions

### Census Enumerator

06/2021 – 08/2021

Statistics Canada | Victoria, BC

- Met all quality standards for data collection and entry, minimizing case review
- Maintained informative, concise documentation, ensuring effective transfer of cases to other enumerators
- Trained new enumerators, assisting with staff shortages during the collection period

### Web Designer / Developer

01/2017 – 12/2019

AML Oceanographic | Victoria, BC

Reporting to the marketing manager of an oceanographic technology company::

- Maintained and developed WordPress website as well as performing webmaster duties
- Developed a Google Ads marketing campaign, increasing traffic by targeting key demographics and search terms
- Designed, tested, and deployed a CRM system, with automated emailing and data collection.

## Skills

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- **Programming languages:** Python, Javascript, Java, C#
- **Libraries:** pandas, scipy, sklearn, numpy, pytorch, tensorflow
- **Data Science:** visualization, analysis, developing ML solutions
- **Tools:** Linux, Vim, Makefiles, and Bash scripting, Git, Docker, DVC, CircleCI
- **Cloud:** GCloud console / SDK tools, VertexAI, Bigquery
- **Soft skills:** Agile development, managing client relations, presenting scientific results