

# IAN R. CAIRNS

Portland, OR

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## EDUCATION

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**Master of Science - Statistics**, Portland State University 2021 - 2023

**Thesis:** MCMC using Hamiltonian dynamics

GPA: 3.95/4.0

**Bachelor of Science - Mathematics**, Western Washington University 2015 - 2017

GPA: 3.31/4.0

## SKILLS

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**Technical Skills** R, Excel, L<sup>A</sup>T<sub>E</sub>X, SAS

## EXPERIENCE

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**Graduate Teaching Assistant** April 2023 - Current

Portland State University

*Portland, OR*

- Teaching bi-weekly recitation class for STAT 351.
- Grading approximately 120 homework assignments per week.
- Hosting office hours for additional questions.

**Statistics Tutor**

Jan 2022 - April 2023

Portland State University

*Portland, OR*

- Tutored students in undergrad level statistics courses.
- Hosted a one hour weekly in-person review session for STAT 243.
- Provided complementary study materials.

**Actuarial Analyst Intern, Health**

July 2022 - Sep 2022

Milliman

*Seattle, WA*

- Developed workbook for identifying potential clients.
- Integrated improvements into existing dashboard for nationwide client.
- Provided statistical insight into trend projections calculation for client.

**Underwriter II**

Feb 2018 - Sep 2021

Kaiser Permanente

*Seattle, WA*

- Analyzed financial risks associated with health insurance.
- Developed premium forecasting models and other actuarial tools to support business strategy.
- Facilitated corporate relationships through client collaboration and contract negotiation.
- Promoted from UW I to UW II within a year.

## PROJECTS

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**Car crash injury prediction** Developed a logistic regression model using CDS and NHTSA data set for predicting the outcome of an injury based on variables observed at car crash scene.

## SOA EXAMS

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- Passed Exam P Aug 2020
- Passed Exam FM Jan 2021
- Passed Exam IFM Jul 2021