IAN R. CAIRNS

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EDUCATION

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

Technical Skills   R, Excel, LaTeX, SAS

EXPERIENCE

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

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

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