

EDUCATION

Pratt Institute

MS Data Analytics & Visualization, Advanced Certificate in UX

Expected May 2023

📌 4.0 GPA Coursework includes: Information Visualizations; User Interfaces; Usability Theory & Practice

University of Auckland

Bachelor of Science

May 2014

📌 Logic and Computation (Philosophy, Computer Science, Mathematics)

SKILLS

Technical

Excel	JavaScript	R
SQL	OpenRefine	Tableau
Python	HTML/CSS	

Design

InDesign	XD
LaTeX	Fresco
PhotoShop	

Languages

English (native)
Māori (native)
French

EXPERIENCE

Pratt Institute

Technology Tutor

Sep 2022 - Current

- 📌 Provide consultation and guidance on technology resources at the institute
- 📌 Aid students on technical aspects of their assigned work
- 📌 Operate technology labs and information sessions

Katoa Ltd.

Research & Data Analyst

Mar 2017 - Jul 2021

Awhi Mai, Awhi Atu

- 📌 A project on giving and receiving support during the New Zealand COVID-19 Lockdown
- 📌 Analysed and summarised the results of over 50 interviews
- 📌 Collaborated to develop draft findings
- 📌 Created the visualisations for the final paper

Te Wairoa Housing Survey Report

- 📌 A survey evaluating the current housing situation and needs in New Zealand's Wairoa Region
- 📌 Consolidated approximately 400 survey results
- 📌 Developed Tableau dashboards to showcase preliminary results
- 📌 Collaborated with a team to submit results to Te Wairoa Housing Group

Māori and Pacific Educational Initiative

- 📌 An longitudinal study exploring Māori and Pacific educational success
- 📌 Built and maintained a custom data store to collect responses and analyse results
- 📌 Developed a data dictionary to provide documentation for the research team
- 📌 Managed initial data encoding and entry

EXPERIENCE (CONTINUED)

Katoa Ltd.

Data Analyst

Feb 2015 - Mar 2017

- Handled data entry and initial results of survey responses
- Sourced and reviewed articles using academic library collections
- summarised findings for the research team for future studies
- Project topics included Older renting populations, the HPV Vaccine, and recidivism

Silver Circle Productions

Manager and Circus Performer

Jan 2012 - Mar 2020

- Coordinated community events and training schedules
- Created and organised both shows in residence and live tours
- Provided instruction across multiple venues, mediums, and demographics
- Performed partner acrobatics, trapeze, dance, and other misc. skills

mORstaff

Freelancer

2018

- Developed a rostering workbook and time tracking for a health agency
- Created in Microsoft Excel to be used nationwide

Foundation North

Administration Assistant

2017

- Supported the project administrator of a grant making organization
- Handled technical queries, data entry and database management
- Filed correspondence and managed social media presence

PROJECTS

New Zealand Bird Sighting Map

<https://ivs22.netlify.app/>

- An interactive visualisation of bird sighting in New Zealand
- Contains over 1 millions rows of data
- Built using D3.js and Python
- Refined using moderated user experience testing

Prattgeons and Pythons

<https://puis22.netlify.app/>

- Dungeons and Dragons (DnD) inspired browser game
- A Python component generates characters and monsters via an API
- Also generates a maze using a Randomised Depth First Search
- A JavaScript component renders it all on the page and allows the user interaction

PUBLICATIONS

- Cram, F., **Cram, S.**, Munro, M. & Tawhai, S. (2021). Awhi mai, awhi atu: Giving and receiving support during the 2020 COVID-19 lockdown. Report for Building Better Homes, Towns and Cities, Affordable Housing for Generations, June 2021, Wellington: BBHTC.
- Cram, F. & **Cram, S.** (2021). Te Wairoa housing survey report. Prepared for Te Wairoa Housing Group. Auckland: Katoa Ltd.