

EDUCATION

Pratt Institute

Masters of Science May 2023

- 📌 Data Analytics and Visualization - GPA: 4.0; Awards: Distinction, Outstanding Merit, Pratt Circle
- 📌 Advanced Certificate in User Experience

The University of Auckland

Bachelor of Science May 2014

- 📌 Logic and Computation - Philosophy, Computer Science, Mathematics

SKILLS

Programming

SQL	Python	Git
JavaScript	D3.js	R
HTML	React	CSS
Matplotlib	NumPy	Pandas

Studio Skills

Analytics	Reporting
Dashboarding	User Experience
Databases	User Research
Visualization	Storytelling

Software

Excel	Office
Figma	InDesign
Tableau	Jupyter
Illustrator	Photoshop

EXPERIENCE

Pratt Institute Brooklyn, NY

Technology Tutor Sep 2022 - June 2023

- 📌 Aided over 100 students in identifying bugs and finding solutions on class projects.
- 📌 Collaborated with professors within the institute to support student learning in topics including web development, HTML, CSS, JavaScript, Python, R, and SQL.
- 📌 Guided students to useful resources using knowledge of available tools and information.
- 📌 Presented with the Outstanding Student Worker Award for going beyond the expected and showing a high commitment to fellow students and displaying consistent professionalism and excellence.

Katoa Auckland, NZ

Senior Data Analyst Mar 2017 - Jul 2021

- 📌 Analyzed and summarized the results of interviews in Excel and collaborated to develop draft findings.
- 📌 Designed and produced the data visualizations for the Awhi Mai, Awhi Atu project resulting in co-authorship on the report.
- 📌 Consolidated survey results in Excel and prepared Tableau dashboards to showcase preliminary results, then collaborated with a team to submit findings to Te Wairoa Housing Group.
- 📌 Built and maintained a custom data store to collect responses and analyze results, executed initial data encoding and entry, and provided a data dictionary for the MPEI research team.

Data Analyst Feb 2015 - Mar 2017

- 📌 Performed data entry of survey responses and developed a breakdown of the results. Communicated frequently with the team to highlight points of interest in the data set.
- 📌 Sourced and reviewed articles using academic databases and summarized findings for the research team for upcoming studies.

PROJECTS

Cannoneers & Dragons

<https://tkcram.com/portfolio/dnd-ui>

Dungeons and Dragons (DnD) inspired browser game

- Generated characters and monsters via the DnD5e API and created a maze using a Randomized Depth First Search. Written in Python and used Flask to expose an API to the frontend.
- Rendered the application in HTML and CSS, and coded the user interactions and data fetching using JavaScript.

Birds of Wingspan

<https://tkcram.com/portfolio/wingspan>

Dashboard for users to explore the world of ornithology

- Built using React and D3.js, this project makes use of millions of rows of data from multiple sources to create a dashboard of interactive visualizations.
- Used the board game Wingspan for inspiration and as a framing device for the dashboard's layout.

Updating the Archive

<https://tkcram.com/portfolio/nyphil-eval>

Conducting Moderated User Testing on the New York Philharmonic's Digital Archives

- Worked with a team to conduct a series of moderated user tests, and used the results to develop recommendations for potential areas of improvement.
- Presented the full report to the client, highlighting ways to ensure future iterations of the interface followed a user centered design.

ADDITIONAL EXPERIENCE

Silver Circle Productions

Manager and Circus Performer Jan 2012 - Mar 2020

- Coordinated community events and training schedules and organized both shows in residence and live tours. Performed partner acrobatics, trapeze, dance, and other miscellaneous skills.
- Instructed 100s of students across venues, mediums, and abilities.

mORstaff

Freelance Analyst Jan 2018 - May 2018

- Implemented a workbook to handle scheduling and time tracking in Microsoft Excel for health professionals across New Zealand.

Foundation North

Administration Assistant Mar 2018 - Aug 2018

- Managed technical queries, data entry and database management. Catalogued correspondence and spearheaded social media presence.

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.