

Rose Northey

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I'm a full-stack software developer looking for a role in a supportive, product-focused environment. I have extensive multidisciplinary experience in engineering, visual art, live performance, and coding. Over the last decade, I have consistently created award-winning, detail-oriented work in all my fields. I approach my work with deep thought and engagement - exploring existential themes in my poetry and solving hairy technical challenges by going through code line by line. I lead through mentorship, fostering growth and success within my team while championing collective achievement. I thrive within team environments and am so excited to continue my learning.

EXPERIENCE

Dev Academy, Wellington *Student* SEP 2023 - DEC 2023

· *React.js* · *Typescript* · *SQLite Databases* · *APIs* · *Handlebars* · *SCSS* · *Agile*

This was a 17-week boot camp with 60+ hours per week. There is a strong emphasis on team and project work, with 95% of the work completed in pairs or teams of 4-6 people. In addition to learning a full stack of technical skills, special attention is paid to interpersonal skills with frequent retrospectives and deep dives into topics such as looping, and inclusion.

I was a scrum facilitator for the final project, Monster Mash (a collaborative drawing App). To create this app, we implemented a significant amount of code we hadn't learned in class. We created a strong, customer-focused product and all team members are jazzed to continue working together. See the portfolio link for further details.

Award-Winning Comedy Writer and Artist *CEO and Intern (self-employment)* APR 2019 - PRESENT

· *illustration* · *comedy* · *poetry* · *goods design and manufacture* · *client management* · *community producing* · *marketing* ·

- Successfully navigated full-time artist role during the pandemic, supporting myself and growing my company.
- **Client management** with companies such as Engineering NZ, Penguin RandomHouse, ParentVillage (a US app) and over 40 one-off pieces of bespoke wall art. Most projects resulted in repeat business.
- **Continuously upskilled** in art theory, Illustrator, Figma, Procreate, and Fontforge through **on-demand learning**.
- Developed strong **public speaking** and **communication** skills

ACCOLADES

- **IPENZ Honours Project Award**
2014 - one of two engineering honours projects selected
- **Edward Connelly Engineering Undergraduate Scholarship**
2011 - awarded to students with all-round ability
- **Best First Book NZCYA award**
2023 - for The Lighthouse Princess
- **2nd Place NZ Poetry Slam**
2020
- **TEDxAuckland Alumni**
2019 - speaker to a crowd of 500

Fisher and Paykel Healthcare

Product Development Engineer DEC 2015 - APR 2019

· product design · technical lectures · CAD · tool design and manufacture · clinical trial design · data management · clinical trial management · regulatory compliance · verification/validation ·

- Collaborative role in designing premature infant masks.
- Creating and presenting technical lectures for departmental meetings and educational seminars
- Clinical trial design and **unbiased feedback collection** to ensure the next product iteration solves the correct problem. For example, focusing on fitting all noses with device sizing before working on flashier features.
- Creating and executing verification/validation **test design**, execution and **statistical analysis** using Minitab. These were made and performed to comply with regulatory bodies such as the FDA.
- Overseeing the design process from research to production line design and testing. This required **just-in-time learning** of a wide range of programs including Powermill, Solidworks, Microsoft Excel, Minitab, Ansys, and Matlab.

Other Employment / Contracts

Illustration for Scholastic: AUG 2022 - MAR 2023

- Remote collaboration
- Wordless visual communication

Illustration for Penguin Random House: JAN 2021 - NOV 2021

- Learning under mentorship
- Attention to detail

Intern at Huhtamaki Packaging: SEP 2014 - JUL 2015

- System improvement
- Change management

Community Poetry Producer At Motif: NOV 2019 - FEB 2024.

- Community management
- Public speaking

Bespoke wall art for over 40 individual clients: 2019 - present

- Client management
- Working to constraints

Helen Ogrady Drama Teacher: JAN 2012 - NOV 2014

- Conflict resolution skills
- Teaching / nurturing growth

OTHER EDUCATION

Auckland University — Mechanical Engineering (HON)

2012 - 2015

- This degree began my interest in complex logic-based problem-solving.
- I excelled in Matlab and Mathematical Modelling papers, achieving A grades in these areas.

LINKS

Linkedin profile

<https://www.linkedin.com/in/rose-northey/>

Engineering Performance Poem

<https://youtu.be/eokTuipGdPE?si=1H6gyIDcuo4hzNyj>

Portfolio

<https://rosenorthey.space/>

Github

<https://github.com/Rose-Northey>

REFERENCES

Available on request