

## Tech Skills



Ruby



Rails



JavaScript



Vue



Node



React



postgreSQL



SCSS



Git



mongoDB

## About

Shauna enjoys learning new things and relishes any opportunity to expand her skillset. She loves to work in an open and truly collaborative environment. She is a big fan of vocalising her thoughts and enjoys pair programming.

Shauna believes there is always a creative and innovative solution to any problem. She is enthusiastic to join a team to solve problems using agile methodologies.

Shauna has a very strong background in teaching. Her understanding of how people learn is hugely beneficial when working in a software delivery team, where people are always learning.

## Education

2020 Diploma of IT  
(Web Developer Bootcamp)  
*Coder Academy, BNE*

2007 Bachelor of Science  
(Mathematics and Physics)  
*Monash University, VIC*

2007 Bachelor of Education  
*Monash University, VIC*

## Teamwork Skills

- experienced in collaborating with a diverse range of people from many different backgrounds and cultures, within school communities and beyond.

## Interests

- Puzzles, ethical tech, the environment, reading, animals, and karaoke

## Tech Experience

Internship (May) - Part time contract (June-July):

- Vue: built and designed: <https://weko.health/>
- Project Lead for WeKoRemote using hypothesis driven development to begin creating a culturally appropriate mental health screening tool for remote indigenous communities

Projects include:

- MongoDB, Express, React, Node - FRES-Board a Finance and Reporting Emergency Services Dashboard for The Australian Red Cross (QLD)
- Rails two-way marketplace - Mentor Market : [www.mentormarket.rocks](http://www.mentormarket.rocks)
- MongoDB, Express, Pug, Node - Read it 'n' Wipe: Covid19 hackathon <https://readitnwipe.herokuapp.com/>
- Ruby Terminal App - Cat Nip the ultimate cat rehoming app: [https://github.com/ShauaMack/cat-nip\\_terminalapp](https://github.com/ShauaMack/cat-nip_terminalapp)
- React: <https://www.localtrailerhire.com.au/>

Previous experience:

- highly competent in the use of technology in teaching and for administration and collaboration. Responsible for software evaluation and selection at several schools.
- simplified and automated IT procedures using G Suite and Google Apps Script.

## Communication Skills

- presented science content in an engaging and understandable way to audience sizes from 20 people up to 2000 people.
- Head of STEM – responsible for 43 subjects, maintained extensive lines of communication with key stakeholders including Principal, board, other heads of department, senior and junior teachers, parents, and community members.

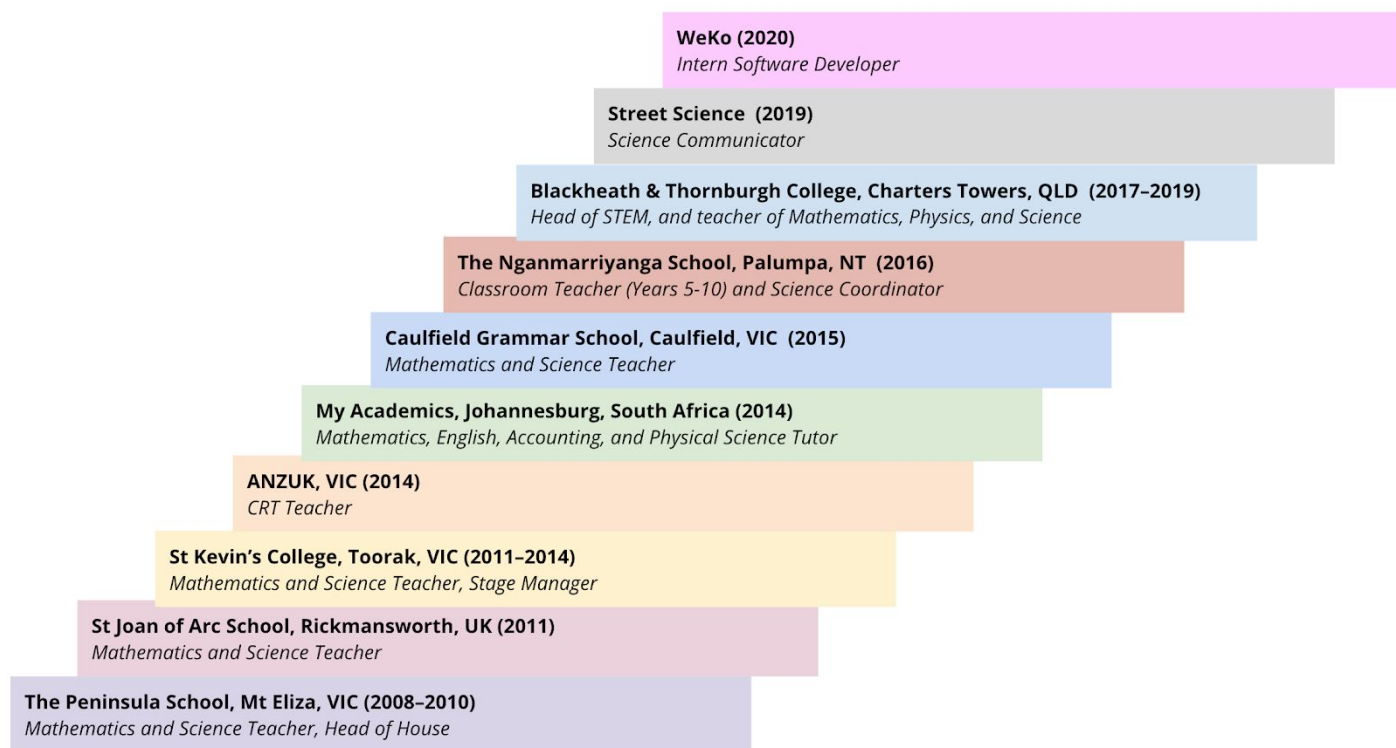
## Organisational Skills

- organised and ran National Science Week for the Charters Towers Community, '[Rural Futures](#)', including 15+ events each year (2017 and 2018).
- Head of STEM – in charge of curriculum and assessment for all Mathematics, Science, IT, Health, Design, PE, Home Economics, and Manual Arts subjects for years P-12.

## Initiative

- initiated and implemented the use of technology including: the use of an LMS (Schoolbox); a structured platform for collaborating on curriculum and resource documentation (Google Drive); spreadsheets to collect data for analysis to improve educational outcomes; and a new reporting format for end of semester reports for parents.

## Career Snapshot



## Recent Experience

### **Science Communicator** at *Street Science* March 2019 - December 2019

- wrote and performed 'seriously fun' shows for children and adults of all ages
- presented science content in an engaging and understandable way to audience sizes up to 2000 people
- completed an IT audit, mainly focused on efficiency and security of current practices
- simplified and automated IT procedures for Street Science using G-Suite and Google Apps Script

### **Head of STEM** at *Blackheath & Thornburgh College* January 2017 - March 2019

- accountable for the STEM educational outcomes of all students P-12
- led software evaluation governance and selection process for STEM, communicating efficiently with developers, project managers and executive school leaders
- teacher of senior Physics, Mathematics and Chemistry
- founded and coordinated the Robotics and Coding Club for students in years 5-12
- led the BTC Astronomical Society and ran evening events at the BTC Observatory, educating and inspiring science in the Charters Towers community

### Levels and subjects taught

Adult education	VCE Mathematical Methods, Further Mathematics, Physics
A Levels	Core Mathematics, Foundation Mathematics, Physics
11-12	Mathematics C, Specialist Mathematics, Mathematics B, Mathematical Methods, Further Mathematics, General Mathematics, Physics, Chemistry
7-10	Physics, Chemistry, General Science, Mathematics, Drama, Simple Computer Programming, Film Studies, Business Mathematics, Hospitality – Cafe Program
Prep-6	General Science, Culture, Physical Education, Direct Instruction Literacy
Other	Circus Skills for year 7-9 students, Pastoral Care for year 7 to 10 students