Preston Pan

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Education

2017 - 2021	**Sir Winston Churchill Secondary** – Vancouver, BC
2022 - now	**Pacific School of Innovation and Inquiry** – Victoria, BC

Work Experience

March 14, 2023 - now	**Pan Health Centre** – Victoria, BC - Cleaning rooms and front desk; 778-996-2379

Projects

Note – *All my projects have their respective soure code avaiable at* https://git.nullring.xyz.

- **The Null Webring** – The Null Webring is a webring that I run which has an associated website: https://nullring.xyz.

- **The Null Identity** – An organization that that focuses on explaining science and technology from a satirical-pseudoreligious context, with an associated website: https://society.nullring.xyz. The website was made with a primitive templating language/static site generator that was made by myself.

- **Snake3** – Although this was a small project, it showcases my skills at writing man pages in the roff format and my ability to come up with novel algorithms, as well as working with threading in the C programming language. It's a simple snake game in the terminal that works without the curses library. It was also a collaboration with Kai Stevenson: https://kaistevenson.com. You can get the source code from https://nullring.xyz/files/snake3/.

- **NoExcess** – NoExcess is a fully featured turing complete programming language. It is heavily inspired by scheme, and like scheme, it is a functional programming language.

Skills

- **Music** – Played piano for more than 10 years in total, have been singing as a hobby for much of that time, and played the cello for 5 years. Some of my piano improvisation is on my website.

- **Languages** – Speaks English fluently, as well as Manderin. Also reads and writes some traditional chinese.

- **Social** – I like interacting with people and talking to people, and I would characterize myself as extroverted.

- **Organization and Cleaning** – I keep my living space very clean and organized and as a result you can expect the same from me in a work environment.

Science and Technology

- **Systems** – Extensive knowledge of operating systems such as GNU/Linux, OpenBSD, NetBSD, and 9front/plan9, as I have used all of these systems as daily drivers on my personal machine and as servers.

- **Sysadmining** – Sysadmining my own server where I host multiple websites, an email server, git server, and more. Having knowledge of many standard tools for sysadmining (docker, ssh, common servers and daemons) and have knowledge of many different operating systems.

- **Programming Languages** – Knowledge of c, python, shell, x86 assembly, and HTML/css/Javascript.

- **Development tools** – Knowledge of standard collaborative development tools (command line git, writing UNIX man pages, using build systems like make/cmake/autotools) as well as writing papers in LaTeX and roff.

- **Mathematics** – Knowledge of mathematics up to about a 3rd year university level due to self study, and have gotten distinction in mathematics contests such as the Fermat Waterloo math competition (knowledge of multivariable calculus, linear algebra, discrete mathematics, and ordinary differential equations, among other topics).

- **Physics** – Self study on many advanced university level topics such as electrodynamics and kinematics from a multivariable calculus perspective.