

Adam Demol

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Links: [Portfolio](#) - [GitHub](#)

Experience

March 2024

Harvard Online - CS50x

- Created image and audio manipulation software in C
- Built data structures from scratch such as linked lists in C
- Developed understanding of memory management in C
- Improved fundamental understanding of algorithms, data structures and Big O notation
- Built stock trading web app utilising Python/Flask, JavaScript and Bootstrap
- Built a CLI, password management app with Python and SQLite

July 2023

TAFE Online - *Diploma Advanced Programming*

- Built a full stack restaurant reservation system in C#, SQL, HTML, CSS and JavaScript
- Built a restaurant ordering mobile app using React Native and Firebase
- Created custom SQL relational databases with technical specification reports
- Learned project development methodologies such as Agile

February 2023

TAFE Loftus - *Certificate 4 of Information Technology, Programming*

- Setup local networks with custom DNS, Windows Servers, Linux Servers and web servers.
- Built a Python password management app
- Learned complex SQL queries and database normalisation process

January 2022 - 2024

Person Projects - *GitHub / web portfolio*

- Deployed a custom Spotify clone to Vercel, built with React as a single page application. Features many custom drag & drop playlists, volume scrubber, timeline scrubber, debounced search function and user-friendly interface.
- Deployed a calendar management app built in NextJs, Typescript, Prisma and SQL. Taught me how to build API's, use ORM's and work with Google's O-Auth login flow.
- Created a picture puzzle game with JavaScript. Uses the canvas element to manipulate images into puzzle pieces and features high scores using local storage.
- Created a useful date-picker modal in JavaScript, clean and easy to use interface. Provided me with Date formatting and calculating knowledge.

Technical Skills

5+ years - *HTML, CSS, Adobe Photoshop*

2+ years - *JavaScript, TypeScript, React, SQL*

1+ year - *C#, Python, PHP, NextJs*

Other - *C, MongoDB, Prisma, Svelte, SolidJs, Flask, Firebase*

Education

March 2024 - April 2024

Harvard Online - *CS50x Certificate of Completion*

July 2023 - November 2023

TAFE NSW Online - *Diploma of Advanced Programming*

February 2023 - June 2023

TAFE Loftus - *Certificate 4 of Information Technology, Programming*

February 2013 - November 2013

TAFE NSW St. Leonards - *Diploma of Web Development*

February 2012 - November 2012

TAFE Loftus - *Certificate 4 of Web Development*

Employment History

2021 - 2024

Woolworths - *Nightfill (current position)*

2019 - 2021

Woolworths - *Nightfill 2IC*

2018 - 2019

Woolworths - *Nightfill Manager*

2013 - 2018

Woolworths - *Duty Manager*

2012

NSW Government - *Electoral Official*

Achievements

- Completed CS50x in under 4 weeks
- Completed Frontend Masters "The Last Algorithms Course You'll Need"
- Received 15+ trophies from playing Soccer over 15 years
- Produced evidence from security footage to assist police with prosecuting criminals
- 5000+ hours of management experience over 7 years