

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
- Built a stock trading web app with 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 Windows Servers, Linux Servers and web servers, implemented DNS and RBAC
- Learned complex SQL queries and database normalisation process

January 2022 - 2024

Person Projects - *GitHub / web portfolio*

- Deployed a Spotify clone to Vercel, built with React as a single page application. Features a custom playlist drag & drop with auto scroller, volume scrubber, timeline scrubber and debounced search function.
- Deployed a calendar management app built in NextJs, Typescript and Firebase. Taught me how to build rest API's, O-auth login flows and building user friendly interfaces.
- 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 simple date-picker modal in JavaScript, clean and easy to use interface.
- Currently building a JavaScript image editor, featuring layers,

Technical Skills

Frontend development - *HTML 5, CSS 3, Javascript, Typescript, React, Svelte*

Backend development - *Flask, NextJs, NodeJs, PHP, Rest API's, C#*

Databases - *SQL, SQLite, Firebase, MongoDB, Prisma, Drizzle*

Other - *C, Python, Git, Adobe Photoshop*

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 role*

2019 - 2021

Woolworths - *Nightfill 2IC*

2018 - 2019

Woolworths - *Nightfill Manager*

2013 - 2018

Woolworths - *Duty Manager*

2012

NSW Government - *Electoral Official*

Achievements

- Completed CS50x in 1 month
- 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