Timothy Chew
Generalist Developer

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📍 Logan City, QLD

Skills

.NET Framework	Entrepreneurship	Programming
3D Animation	Euphonium	Python
3D Modelling	Film Production	React.js
Acoustica Mixcraft	Game Design	Recorder
Adobe Creative Suite	Games Development	ROS (Robot Operating System)
Agents	Git	SciPy
Agile Methodologies	Godot	ScikitLearn
Artificial Intelligence	Google Cloud Platform	Sculptris/Z-Brush
Assembly	Graphic Design	Search Engine Optimization (SEO)
Amazon AWS/S3	HTML and CSS	SketchUp
Android Development	Ionic	Social Media
Apache	Java	Software Architecture
ASP.NET	JavaScript	Software Design
Augmented Reality (AR)	JIRA	Software Engineering
Blender	Leadership	Software Project Management
C/C++	Linux Systems	Solidworks
C#	Livestreaming	SQL
CAD Modelling	Management	Tensorflow
Community Management	Machine Learning	Tutoring (Junior, Secondary, Tertiary)
Character Animation	Machine Vision	Unity3D
Character Design	Metalworking	Unreal Engine
Crafts & Trades	Microcontrollers	VRChat SDK
Computer Software Training	Microsoft Azure	Virtual Avatars
Customer Service	Microsoft Office	Visual Basic
Database Design	MongoDB	Video Editing
Davinci Resolve	Mono/Mono.NET	Video Post-production
Digital/Virtual Production	Node.js	Web Development
Django	Numpy	Woodworking
Documentation	OpenCV	WordPress
Electronics	Pandas	Xamarin

Other Skills & Interests

These are things I'm not 100% proficient at a work level yet, but am persuing and am able a little bit.

Autism Psychology	Plastic Manufacturing	Security
Mechanical Engineering		

Languages

English, Detusch (German), 日本語 (Japanese), 中文 (Chinese)

Work Experience

Development Security Operations (DevSecOps Engineer)

Telstra Purple Pty. Ltd. (March 2021 - Present)

- Administered, assisted and developed tools/applications/products/plugins around the Microsoft Azure Active Directory/Entra ID
- Administered, assisted and developed applications on Azure DevOps, Azure Cloud, AWS, and using JIRA
- Administered and developed .NET/Web Applications
- Maintained and Produced Security/Architecture/Programming Standards and Documentation

- Administered and Maintained Helpdesk and also an above-and-beyond Helpdesk Monkey
- Communicated with Stakeholders (with some help) to convert business requirements into deliverables and actions

Co-Founder
Team PET (Jul 2017 - Present)

- Managed a community on Twitter, Facebook and Discord
- Developed a game in Unity, developing several low-level components running on PC (Win/Mac/Linux; hidden), iOS and Android
- Developed a backend using PHP (for user access), Node.js (for backend app services) and C++ (for client-to-client multiplayer networking)
- Worked with a team of 3D artists to bring the idea to life
- Steered and helmed the project with the other founder
- Managed legal, business and commissions (with the other founder)
- Created bespoke AI behavior and chatbot systems

Freelance Developer
(No company) (Aug/Sep 2020, Dec/Jan 2020/2021, Apr/March 2021, Feb/Mar 2024)

- Developed a startup app with a Django API, Angular Frontend and Xmarin Native App
- Developed a game in Unity for Mobile with a ASP.NET Web Server and P2P Networking
- Developed a interactive viewer for Desktop/VR/AR/Mobile in Unity
- Developed a VR visualizer and chat app for presenting a live geographical survey data

Twitch Streamer
(No company) (Dec 2020 - Feb 2021)

- Covered Medabot-related Game News
- Full Production with scripts and presentations
- Handled all hosts, equipments and broadcasting
- Virtual avatar made using custom machine vision stack in Unity
- Averaged 20 live viewers in prime-time

Front-End Unity Developer
Bail! Enemy! Jet! (May 2018 - Feb 2019)

- Developed apps using Unity3D
- Worked with AR toolkits
- Maintained and worked with Android native libraries

Club Executive
Griffith Gamers' Society and Griffith University Mithril Hands (2017 - 2018)

- Organised meet-ups and collaborated group events.
- Kept vocal minorities behaved while maintaining an open, inclusive environment for all.

Freelance Generalist
/r/slavelabour (Lots of small contracts, Apr 2017 - Mar 2018)

- Programming Tutoring for theory, major languages and frameworks.
- Various small programming jobs in a large variety of langauges and frameworks.
- Did general work in photography, graphics and video production.

Web Developer and IT Support
Australia My Pty. Ltd. (Oct 2017 - Nov 2017)

- Developed WordPress e-commerce websites integrating with Amazon and PayPal
- Developed market research tools pulling data from Amazon and eBay
- Handled IT issues such as malfunctioning software and computer setup
- Provided leadership in security and operational problems within the company

Student IT Support

Brisbane State High School

- Taught students how to use their Windows computers and Apple iPads.
- Fixed low-level technical problems with Windows-based products
- Taught advanced usage of Windows-based products and software

Volunteer Experience

Student Mentor (School of Information Communication Technology)

Griffith University (Feb 2019, Jul 2019)

- Ran orientation activities.
- Helped new students get to understand about uni life.

O Week Leader

Griffith University (Feb 2019)

- Guided new students around the university.
- Helped students get to understand about uni life.

Office Volunteer

Cancer Council Queensland (Jun 2015)

- Just did office errands.

Education

Griffith University

Bachelor of Computer Science

2017 - 2020

Brisbane State High School

Advanced Maths (Math C), Film, Information Technology and Biology

2012 - 2016

Licenses and Certifications

Certification II in Active Volunteering

Volunteering Queensland

January 2016

Credential ID: 2013932-7316-1237301

Blue Card

Blue Card Services, Queensland

April 2019

Blue Card ID: 1812285 / 1

ITIL® Foundation: ITIL v4

PeopleCert / PageUpPepole

March 2024 to March 2027

Certificate ID: GR671634576TC