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# Timothy Chew

## Generalist Developer

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## 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 Xamarin 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 languages 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.
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### **O Week Leader**

*Griffith University (Feb 2019)*

- Guided new students around the university.
  - Helped students get to understand about uni life.
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### **Office Volunteer**

*Cancer Council Queensland (Jun 2015)*

- Just did office errands.

## Education

### **Griffith University**

*Bachelor of Computer Science*

*2017 - 2020*

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### **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

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### **Blue Card**

Blue Card Services, Queensland

*April 2019*

Blue Card ID: 1812285 / 1

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### **ITIL® Foundation: ITIL v4**

PeopleCert / PageUpPepole

*March 2024 to March 2027*

Certificate ID: GR671634576TC