

Darren Fu

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Brisbane, Australia

Experience

Canva Frontend Intern Dec 2021 – Present

Working in the Publishing and Referrals team to add a QR code export feature for designs made in the Canva editor.

CSIRO Vacation Scholar & Thesis Student Dec 2020 – Dec 2021

Adapted a graph convolutional neural network to be used with MRI brain scans for construction of 3D mesh surfaces and classification of neurodegenerative diseases. Learnings from this project were used by research supervisors to develop *CorticalFlow*, reducing state-of-the-art surface reconstruction times from 15 minutes to 5 seconds. Continued work on *CorticalFlow* over a thesis project lead to a **30%** improvement in predicted shape accuracy.

SquareIQ Software Engineer Mar 2020 – July 2021

React and .NET software engineer for mobile fleet management platform. Joined at early prototype phase and oversaw introduction of code review, TypeScript, state management, backend authentication, continuous integration, CSS frameworks, animations and linting as well as onboarding of new team members. Frequently contributed towards design and UX decisions. EngageIQ is already in use by many of Telstra's largest partners and provides insights for a portfolio of 120K+ mobile devices in Australia.

UQ Planner Developer Jan 2020 - Present

Codeveloped and launched UQ Planner, a course timetabling web app for UQ students with 50K+ users in the past year. Architected app for scale and minimal hosting cost with Angular frontend and serverless backend. Launched on Facebook to universal acclaim among students.

UQ Ventures San Francisco Startup Adventure Jan 2020 – Feb 2020

Funded by UQ Ventures to tour tech and entrepreneurship in San Francisco over four weeks, completing a data analytics internship at influencer marketing startup Linqia. Developed a pandas pipeline classifying 50K+ new influencers and deployed to a microservice fed by a Kafka database.

Code Camp Head Teacher Oct 2016 – Jan 2020

Introduced 150+ children to the basics of programming and game design over short holiday programming classes.

EY Germany Data Analytics Intern Sep 2019 – Oct 2019

Clipchamp Frontend Intern Jan 2018 – Dec 2018

UQ ITEE Summer Research Scholar (Interaction Design) Summer 2017

UQ SMP Winter Research Scholar (Quantum Physics) Winter 2017

MyWork Dev/Design Work Experience 2016

Vivo Group Web Development Work Experience 2015

CSIRO School Based Work Experience 2014

Education

University of Queensland

BE (Hons.) / BSc

Software Engineering & Mathematics | GPA 6.3/7

UQ Computing Society Executive Committee
UQ Photography Society Executive Committee
Capstone Project Nominated for 2020 ITEE Innovation Showcase

Graduating Mid-2022

Technical University of Munich

Exchange Semester

Masters Level Informatics Exchange in Semester 1 2019

3D Reconstruction, Algorithmic Game Theory,
Augmented Reality, Autonomous Driving

Queensland University of Technology

BE(Hons) / BInfTech

Electrical Engineering & Computer Science | GPA 6.89/7

2016 Westpac Young Technologist Scholarship (\$25 000),
Dean's Scholars Program, College of Excellence

Transferred out after first year

Mansfield State High School

ATAR 99.60, IT Student of 2015, Griffith University InfoTech Program,
QUT Future Leaders Program, Robotics Club

Skills

Design

Adobe XD, Adobe Photoshop, Adobe Lightroom, Adobe Illustrator, Marvel, InVision, User Testing,
Interviews, Design Thinking

Web

React, .NET, NextJS, Angular 2+, TypeScript, npm, Node, Express, Jest, PHP, WordPress, MySQL,
Google Optimize, HTML, CSS, JavaScript, WebGL, Chrome DevTools, D3.js, Cypress E2E

Programming

Python, Java, C, Git, GitHub, BitBucket, bash, VSCode, Mathematica, MATLAB, Trello, Jira, Markdown,
Docker, MySQL, neo4j