Tyler Harden

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19 San Mateo Blvd, Gold Coast 4214

PROFILE

Overview

Innovative and technically proficient **Developer and Product Specialist** with experience managing and developing technology products.

- Strong background in **application development, AI, cloud computing,** and **data science**.
- Hands-on expertise in **Python, Swift, Unity, Xcode, C#,** and **cloud-based development/infrastructure** using **AWS**.
- Always been passionate about all things technology and the intersection it creates between **creativity** and **logical thinking**.

Current Work

Currently involved in the development and implementation of billing features in one of Yurika's information products, InfoDynamics, focusing on **user-centric design** to enhance **customer experience**. Collaborating with stakeholders to develop the product roadmap for InfoDynamics and other products within Yurika's product portfolio. InfoDynamics is an information and reporting platform for meter data and a jQuery-based **JavaScript application** that leverages **Hasura with GraphQL** as its backend data API.

WORK HISTORY

Energy Queensland
Graduate Program
(December 2024 – Current)

Product & Innovation – Product Specialist / Developer
November 2024 – Current
- Led UX/UI design, wireframing, and customer engagement for transitioning software into a SaaS portal.
- Performed data analytics using Python to identify customer segments and uncover key insights from meter data to support strategic decision-making for the InfoDynamics platform.
- Development of the InfoDynamics Renew project, integrating billing functionality to the InfoDynamics product leveraging GraphQL through Hasura and version control with Git/GitHub.

Yurika
Part-time secondment
(March 2024 – November 2024)

Product & Innovation – Product Data Scientist
March 2024 – November 2024
- Delivered a data analytics report using Python to prove a hypothesis about inrush current and outage duration.
- Development of GeoAlarms product concept and backend with Python and Kafka through collaboration with an Australian Distribution Network Service Provider (DNSP).

Energy Queensland

Graduate Program

(February 2022 – February 2024)

Product & Innovation – Product Specialist / Developer

August 2023 – February 2024

- Key contributor to prototype development of GeoAlarms (meter alarms product) using Python & Kafka, tested in collaboration with a leading Australian Distribution Network Service Provider (DNSP).
- Developed proof-of-concept API-based load management interfaces for load control products using React/Javascript.
- Created software with Python to retrieve FCAS data from Kafka and output CSVs.
- Created software with Python to convert SATEC PAS files into NEM12 format.

Emerging Technologies – 3D Modelling Artist/Sound Designer

February 2023 – August 2023

- Contributed to the development of Unity mobile game created to be a learning tool for electrical safety and awareness
- 3D modelling of game assets using Blender and texturing using Adobe Substance 3D
- Scripting game functionality using C# and integrating with Unity game objects
- Worked on PolyPortal, a proof-of-concept app for viewing internal 3D models on AWS cloud infrastructure.
- Participated in daily scrum meetings, collaborating with the 3D modelling artist and lead developer.

Mobile Applications Platform – Junior Application Developer

August 2022 – February 2023

- Contributed to the development on a massive update to an iOS enterprise application called HazChat
- All code written using Swift and frontend implemented using the SwiftUI framework
- Creation of local app database with SQLite and integration with cloud services in AWS

Data Science – Data Science Specialist

February 2022 – August 2022

- Contributed to the development of the Meter Data Analytics solution in Databricks using Python and PySpark
- Produced an inference pipeline for machine learning models using MLflow.
- Creation of dashboards and visualisations to show the breakdown of customer segments and meter types

EDUCATION

Griffith University

(2018 – 2021)

Bachelor of Intelligent Digital Technologies

- Technical and practical skills in intelligent digital technologies
- Majoring in Internet of Things and Robotics
- Graduated in 2021 with a GPA of 5.6 and achieved the Griffith Award for Academic Excellence in my final year
- Degree focuses on the application of cutting-edge fields such as robotics, internet of things, app and web development, big data analytics, virtual reality (VR) & augmented reality (AR)

ADDITIONAL EXPIERENCE AND SKILLS

Design and Creative Applications

- Experience using apps from Adobe Creative Suite such as:
  - Adobe Illustrator
  - Adobe Photoshop
  - Adobe After Effects
  - Adobe Premiere Pro
  - Adobe InDesign
- Experience creating application wireframes and prototypes designs using Figma
- Experience with audio production and songwriting using Ableton and Logic Pro

Artist and Producer

- Apart of project '**daste.**' with over 40 million streams across Spotify, Apple Music, YouTube, and Soundcloud since 2018 and over 600k monthly listeners as of 2025
- Management of social media accounts on all platforms
- Management of marketing campaigns through Meta Ads Manager platform
- Graphic design for videos, artwork, posters, and general promotion
- Flight and logistics planning, tour management

KEY CHARACTERISTICS

- **Design skills** for videos, artwork, print, as well as 3D modelling experience using Unity and Adobe Substance 3D
- Strong **analytical** and **problem-solving skills** with a passion for **emerging technologies**.
- Proven ability to **research**, **prototype**, and **implement innovative solutions** and **products**.
- **Effective communicator** and **collaborator** across technical and business teams
- **Agile** and **adaptable**, thriving in agile environments and fast-paced tech projects.

REFEREES

James Bondio
Manager Engineering Data Solutions – Energy Queensland
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Mentor during graduate program at Energy Queensland

Richard Hennessey
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Co-worker at Yurika and member of Engineering Development Committee

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Previous supervisor in Mobile Applications Platform team