

Matthew Kerr

Software Engineer / Designer

📍 Wellington, New Zealand ☎ + (64)-27-359-0763 ☎ (He/Him/His)

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Seeking to utilize design and software skills to fill a job in full-stack or mobile development. Driven to learn and work hard to gain a solid understanding and expertise in the industry. I am highly motivated by the opportunity to tackle challenging problems. As of date, I will be available for summer internship employment during Nov-Feb.

HARD SKILLS

Tools

VSCode, GitHub
Figma
Adobe Creative Suite

Programming languages

Java, Python
C, C++
HTML/CSS/JavaScript

Learning

AWS
Flutter, Kotlin
NAS (Network Attached Storage)

SOFT SKILLS

Communication

- Skilled communicator with tutoring, front-of-house, and freelancing experience.
- Effectively conveyed complex topics and created positive relationships with students/customers.
- Adaptable, patient, and empathetic in interactions.

Problem-Solving

- Analytical thinking to tailor to students' unique learning needs.
- Effective communication for collaboration and addressing issues/concerns.
- Resourcefulness to optimize time in front-of-house bookings, and client deadlines.

Creativity

- Create innovative solutions and applicable designs in freelancing.
- Use creative approaches to explain complex concepts and engage students effectively.
- Produced several side projects including a portfolio website and computer games.

PROJECTS

Personal Portfolio Website

Designed and developed a personal portfolio website to showcase my projects and achievements. Built from the ground up covering the fundamentals of web development. This project taught me the basics of HTML, CSS, JavaScript and UX design.

Key tools/skills:

HTML, CSS, JavaScript, GitHub, UX Design, Figma.

<https://github.com/emptykerr/Portfolio-Website> | <https://mattkerr.me>

Captains Conquest 2D Platformer

Created and published a 2D platformer in Java featuring immersive gameplay, dynamic gamestates, enemy AI, and a GUI. This project enhanced my Java skills and gave me a strong understanding of complex game mechanics and user interfaces.

Key tools/skills:

GitHub, Java, VSCode, Adobe Photoshop, Playtesting.

<https://github.com/emptykerr/Captains-Conquest> |

<https://github.com/emptykerr/Jump-Quest>

Event Planning Android App

Currently developing an event planning Android application. I am learning Kotlin and Flutter on Android Studio to design, develop, and publish a functional application.

Key tools/skills:

Android Studio, Flutter, Kotlin, Adobe Photoshop, Figma

WORK EXPERIENCE

Computer Science Tutor | Victoria University of Wellington *Kelburn | Mar.2023 - Current*

- Provided one-on-one and group tutoring in COMP102 and COMP103, supporting students in computer science concepts, Java, and problem-solving techniques.
- Prepared and delivered content and examples for students to explain complex topics, fostering a deeper understanding among students.
- Collaborated with professors, lecturers, and peers to develop course materials, review marking schedules, and provide feedback on student performance.

Front of House | Saigon Taste *Wellington | Feb.2021 - Current*

- Effectively communicated and collaborated with team members to relay customer requests, special dietary needs, assist with food preparation, and any operational concerns.
- Managed reservations and optimized table turnover for efficient restaurant operations.

Freelance Graphic Design | Self-Employed *Wellington | Jan.2021 - Jan.2022.*

- Worked closely with various clients to understand their design requirements and developed creative concepts to meet their visual communication needs.
- Created visually appealing graphics, logos, branding, and business cards using Adobe tools.
- Collaborated with clients to refine and implement design revisions based on feedback.
- See my work at mattkerr.myportfolio.com

EDUCATION

Victoria University of Wellington | *Kelburn/Te Aro Campus, Wellington | 2022 - 2025* Bachelor of Industrial Design, Media Design, in Design Innovation, Minor in Computer Science

Awards:

Victoria University Tangiwai Scholarship

Dean's List for Academic Excellence, cumulative GPA (8.875/9).

Excellence Endorsement NCEA Levels 2,3

Bernald Posselt Prize in Design and Visual Communication
Gordon Harris Colour Rendering Prize
St Patrick's College Technology Prize for Outstanding Achievement
Excellence in: Design & Visual Communication - 2018, 2020, 2021, Technology - 2021, Physics - 2018, 2020

INTERESTS

Playing chess (placed 1st in ChessPower regionals (Wellington)).
Coding (love to design and create computer systems and applications to solve problems).
3D printing (I do modelling, creating, and problem-solving with tangible objects).
Travelling (enjoy snowboarding on the fresh snow of the mountains!).
Making coffee (constantly trying to perfect coffee with my home espresso machine!)

REFERENCES

Available on request.