

Kiichiro Tatsuzawa

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SUMMARY

Passionate systems designer with a diverse background in both hardware and software. Proficient in Java, SQL, React, C-sharp, and various UI/UX design tools for prototyping and wire-framing. Excellent problem-solving, research, and communication abilities. Seeking a challenging role to develop a career in a more user-centered world.

TECHNICAL SKILLS

Programming Languages: Python, C-sharp, SQL, Java, JavaScript, CSS, HTML, Arduino, PostgreSQL, SASS, React/JSX, Unix

Design Tools: Figma, Unity, Bambu Studio, Adobe XD, Adobe InDesign, Adobe illustrator, Canva.

Software Knowledge: VS Code, Node, Git bash, Github, Arduino IDE, Microsoft Suite, Google Workspace, JupiterLab, Windows OS, Mac OS, iOS, Notion.

PROJECTS

Thesis 1: VR Controller

VR Shape Output Controller

July 2023 – November 2023

Arduino, Bambu Studio, C-sharp

- Developed a 3DoF active shape output VR controller.
- Utilized 3D printing fabrication and modeling; Programming; and electronic engineering.
- Achieved a conceptual model for shape output with only 2 motors.

Thesis 2: SpinalLog

Medical Simulator

Feb 2024 – June 2024

Arduino, Bambu Studio, C-sharp

- Redesigned the hardware and software of the sensor system for a spinal mobilisation simulator.
- Programmed and wired a magnetometer based sensor system using a deformable 3D elastomer structure.
- Deployed a mobile pneumatic pressure controller through Bluetooth.

EXPERIENCE

UI/UX Design and Web Development

University of Melbourne

Aug 2019 – July 2024

Melbourne, Australia

- Conducted user research and usability testing to gather insights and improve design decisions.
- Rapid creation of wire-frames, mock-ups, and prototypes under the SCRUM framework.
- Collaborated with various stakeholders to ensure the feasibility and alignment of designs with business goals.
- Created high fidelity prototypes of responsive interfaces for web and mobile applications

EDUCATION

University of Melbourne

MC-IT, Human Computer Interaction

Melbourne, Australia

Feb 2023 – Current

- H1 WAM

University of Melbourne

B-Des, UI/UX Design

Melbourne, Australia

Jul 2019 – Sep 2022

- H2B WAM

British School Manila

International Baccalaureate Diploma

Manila, Philippines

2017 – 2019

- HL Computer Science, HL Language and Literature, HL Economics, SL Physics

Meta Front End Development Certificate

Coursera, Meta

Coursera

2024 – Current

- React, software testing, command line, and Bootstrap

AWARDS

- Endeavour Exhibition - CIS Discipline Award Winner
- FOBISIA Creative Coding Challenge (Augmented Reality)