Briano Goestiawan

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Education

Mar 2020 – Nov 2025   **Monash University**, *Melbourne.*
B.S. in Electrical Engineering and Computer Science

Experience

Apr 2021   **Contract Web Developer**, *Publio*, `https://publioofficial.com`.

Designed and developed the website for an online sneaker reselling business with JavaScript, React and GatsbyJS.

- Iterate and improve design by reviewing Figma design mockup with client.
- Automate inventory database synching process with custom Python scripts saving hours of repetitive continual work.

Projects

Jun 2019 – Present   **Typings**, `https://typings.gg`.

Built a typing test website with Go, SQLite, HTML, CSS and JavaScript.

- 20,000+ monthly active users.
- Increased average time on site by 150% by implementing custom color themes.

Sep 2021   **Space Invaders**, `https://github.com/bbriano/spaceinvaders`.

Developed a space invader game with TypeScript and RxJS.

- Simplify codebase by programming in a functional style by leveraging RxJS operators to handle user input, manage frame timing and update game state.

Nov 2020   **The Tower**, `https://github.com/bbriano/the_tower`.

Developed an ASCII graphics detective game for a school project with C++.

- Feedback: "The work demonstrates an exceptionally clear understanding of the subject matter and appreciation of issues. It is clearly and logically organised with excellent presentation. It addresses all of the assessment criteria to a very high standard. The work provides evidence of insight and originality where appropriate."

Activities

Aug 2022   **Robot Building Competition**, *SMEE*, `https://github.com/bbriano/rbc2022`.

Designed, construct an autonomous Arduino car robot.

- Came up with an elegant algorithm to classify colors from sensor readings.
- Complete all circuits within the time limit.

Apr 2021   **Hackathon**, *HackMelbourne*, `https://github.com/bbriano/twinder`.

Built a chat application that automatically groups people with similar interests with Python, Flask, and SocketIO.

- Implemented login system, matching algorithm and real-time chat feature.
- Worked effectively with a group of four engineers under time pressure (48 hours).

Feb 2021   **Programming Bootcamp Tutor**, *Monash University*.

Tutored four undergraduates in how to use Python to solve coding challenges.

- Survey shows student are more confident after completion of the bootcamp.

Skills

C C++ Python Go JavaScript Java SQL Awk Unix Git Docker Arduino