

# TEO, BRENDAN WEI ZHI

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## About Me

Efficiency-driven, analytical, and coachable Engineer with up to 4-years of professional experience looking to grow with your company. Seeking a career shift in areas of development roles to take advantages of my skills in script writing, test debug, validation, and verification. Nevertheless, an avid practitioner of growth-mindset and in life-long learning. Currently, upskilling on Full-stack Web development course with several of personal projects to-date.

## Work Experience

### Freelance – Penang, Malaysia

Front-end Web Developer ( Nov 2023 – Current )

- Delivered a **single-page responsive website** that display overview services for a Mixed-martial arts gym in Penang called Wasp MMA Gym within 1-month.
- Provide monthly web maintenance service of **ensuring website is running without any potential downtime** with monthly report of website health.

### Intel Corporation – Penang, Malaysia

SoC Design Engineer ( Apr 2022 – Jun 2023 )

- Developed and deployed a window script** to improve debugger’s debugging task, optimized users’ effectiveness to churn out summary failing log by 44%.
- Analyzed and resolved 59 unique bug** reports submitted by debuggers within a 3-month timeframe.
- Addressed and **resolved 19 design and simulator bugs** within a 3-weeks’ timeframe while working closely with technical lead and principal engineer.
- Collaborated 2 cross team** to maintained project delivery timeline. By supporting on post-silicon debugging challenges with respective stakeholder.

Soft-IP Validation Engineer ( Mar 2021 – Apr 2022 )

- Collaborated cross team support on coverage test validation and writing with **improvement from 27% to 98% coverage hit within 2-weeks ahead of project deadline**.
- Developed and deployed email bug reporting system written in Shell** with CRON tool. Improve work efficiency by 15% after deployment.
- Developed and implemented a bucketization script** that is used to sort 10000+ test failures based on signature on weekly test regression.
- Spearheaded a test migration effort** of legacy to upcoming project within 2-weeks with 70+ features to match the project requirement.

Graduate Technical Trainee ( Nov 2019 – Mar 2021 )

- Delivered Test coverage writing and testing on 1 feature with **improvement from 51% to 87% coverage hit ahead of schedule projection by 1 week**.
- Supported a feature owner by shadowing as an execution owner to validate RTL designs and test debug.
- Delivered 1<sup>st</sup> level bug/error with data log to revise with feature owner. Solved 27 high-level errors independently.

## Projects

**brendantwz.com** – Personal portfolio website ( Dec 2023 – present )

- Developed using the technology stack of **Bootstrap templating with HTML/CSS**. Publicly stored in Github
- Create digital presence by exposing my personal capabilities with projects that I personally worked

**SimplyPress** – Blog post app for mock-up article planning ( Nov 2023 - 4 weeks )

- Developed using the technology stack of Embedded Javascript (**EJS**), **CSS**, **Javascript**, **Express.js**, **Node.js** and **Bootstrap**. Publicly stored in Github
- Available features are adding, remove, edit post. Post consisted of Author Name, Title of Blog Post, Content, and Genre.

**waspmmagym.com** – Paid Project by a Mixed Martial Arts Gym to create an infographic responsive website to display their services ( Dec 2023 – 5 weeks )

- Developed using the technology stack solely frontend – **Bootstrap templating with HTML/CSS, Javascript, FontAwesome**
- Single-page landing page segmented to 7 section – Classes, Testimonial, About, Team, FAQ, Merch, Contact
- Hosted the website via Web hosting service and setup on-page SEO and Google search indexing with sitemaps

**QRFreq** – URL to QR code generator replica ( Dec 2023 – 3 weeks )

- Developed using the technology stack of **Bulma with HTML/CSS, Vanilla Javascript, Node.js** and **Ionicons**. Publicly stored and hosted in Github.
- Responsive single page URL to QR code functionality – prevents non-url to be converted and to display QR code if URL is valid.

## Education

**Northumbria University Newcastle**  
Bachelor in Electrical and Electronic Engineering ( 1<sup>st</sup> CLASS HONOURS ) Graduation Date : Oct 2019

- Organizations/Awards: Silver Medalist Innovative Project, Student Advisor for Engineering Society and Organizing Team

**KDU Penang University College**  
Diploma in Electrical and Electronic Engineering ( Microelectronics ) ( CGPA : 3.74 ) Graduation Date : Nov 2017

- Organizations/Awards: Dean’s Honor List, Peer-Assisted Study Session tutor, 1<sup>st</sup> Runner Up IHL-Malaysia Start-up Challenge 2016/17

## Skills

**Technical :** **HTML** ( Intermediate ), **CSS** ( Intermediate ), **Python** ( Basic ), **JavaScript** ( Intermediate ), **jQuery** ( Intermediate ), **Git** ( Intermediate ), On-page SEO ( Basic )  
**Node.js** ( Intermediate ), **Express.js** ( Intermediate ), **Debugging** ( Proficient ), **Batch/UNIX Shell** ( Proficient ), **Bootstrap** ( Proficient ), **Bulma.io** ( Basic )

**Interpersonal :** **Communication** ( Advance ), **Analytical** ( Proficient ), **Coachable** ( Proficient ), **Collaborative** ( Proficient ), **Time Management** ( Intermediate ),  
**Detail-oriented** ( Intermediate ), **Creative Problem-Solving** ( Intermediate ), **Adaptable** ( Intermediate )

## Certifications

**Career Essentials in Generative AI** - Microsoft and LinkedIn Online Course Issued on July 2023  
**The Complete 2023 Web Development Bootcamp** – Udemy Online Course (In progress) Expectancy Completion: Feb 2024

### Languages

**English** ( Native ), **Mandarin** ( Conversational ), **Malay** ( Conversational ), **Hokkien** ( Native )

### References

**Co-Founder of Wasp MMA Gym – Ms Claire** Li Ji  
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**SoC Design Engineer - Mr Nam Khoon**, Teh  
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