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 1st 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

QRFreg – 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

UOW KDU University College Penang (Mar 2015 – Oct 2019)
Bachelor in Electrical and Electronic Engineering (1st CLASS HONOURS)   Graduation Date : Oct 2019
- Organizations/Awards: Silver Medalist Innovative Project, Student Advisor for Engineering Society and Organizing Team

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, 1st 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	**SoC Design Engineer - Mr Nam Khoon,** Teh
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