

# TEO, BRENDAN WEI ZHI

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## WORK EXPERIENCES

### Intel Corporation, Malaysia

#### SoC Design Engineer

Apr 2022 – Jun 2023

- Developed debugging scripts that **optimized +44% bug reporting churn-out rate**
- Analyzed and resolved **59 unique project bugs** within the first-phase E-core project delivery
- Collaborated with **2 cross functional teams** for early debug effort to resolve 19 critical design bugs
- Discovered and coordinate with technical lead to **resolve early critical 19 design and simulation bugs within 3 weeks**
- Accelerated the on boarding of 2 new team members in debugging roles, reducing the ramp-up period from **3 months to just 2 months through effective mentoring**

#### Soft-IP Validation Engineer

Mar 2021 – Apr 2022

- Developed email bug reporting system results with **+15% debug effort improvement** within the team
- Developed bucketization script that sorts +10k test failures that **guide capture of early critical bugs**
- Spearheaded test migration effort for legacy PCIe project **within 2 weeks with +70 features**
- Managed **6 Test Plan Feature** for Link PCIe across ADL and MTL PCIe projects

#### Graduate Technical Trainee

Nov 2019 – Mar 2021

- Managed 1 sub-feature with **improvement test coverage hit from 30% to 72%** on ADL PCIe project
  - Captured and resolve **27 high-level errors on early stage of project** independently
  - Collaborated cross-team support effort on regression script maintenance resulted in **66% dropped in breakdown**
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## PROJECTS

### Jiu-jitsu Technique Tracker – BJJ Technique Learning Web Application

Feb 2024 – Present

- Designed using **MongoDB, Expressjs, Reactjs, Nodejs application MERN stack with API integration**
- Visualized feature consists of Logging, Category management, Note-taking, and Media attachments
- Inspired from personal hobby that would help me recap and keep track of my learning progress

### SimplyPress – Blog post web app for mock-up article planning

Nov 2023 – Dec 2023

- Developed using EJS, CSS, Javascript, Expressjs, Nodejs, and Bootstrap
  - **Basic CRUD functionality** of add, delete, edit, and post with author, title, content, and genre contents with simple user interface and experience (**UI/UX**)
  - Inspired from writing a Medium blog post that goes into draft before publishing
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## EDUCATION

### Northumbria University Newcastle

Oct 2019

Bachelor in Electrical and Electronic Engineering, **First Class Honours**

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## SKILLS & LANGUAGES

Test Planning & Validation • Perl Script • Batch Script • Python • UNIX Script • Linux • System Verilog • RTL design Validation • HTML/CSS • Javascript • JQuery • Nodejs • Expressjs • Reactjs • MongoDB • Git • Communication • Collaborative • Adaptive • Growth-driven • English • Mandarin • Malay

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## CERTIFICATES

Career Essentials in Generative AI – Microsoft and LinkedIn Online Course

Issued on July 2023