



# DAVID MIN TAT GOY

*Full Stack Web Developer & Engineer*

Site: [davidgoy.github.io](https://davidgoy.github.io) Projects: [github.com/davidgoy](https://github.com/davidgoy) | Email: [david@davidgoy.dev](mailto:david@davidgoy.dev)

## Summary

Australian web developer living in Guernsey, Channel Islands. Skilled in developing LAMP stack web applications. Built a number of SaaS over the years, from architecture to deployment. Founder of an electric vehicle startup. PhD research degree dropout.

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## Technologies

- **Proficient in LAMP stack**
    - Front-end: HTML, CSS, JavaScript and Bootstrap
    - Back-end: PHP, MySQL and CodeIgniter
    - Shell scripting: Bash
  - **Knowledgeable in full-stack JS**
    - Front-end: Vue.js
    - Back-end: Node.js, Express and MongoDB
  - **Knowledgeable in hosting environment setup and maintenance**
    - OS: Linux
    - Web server: Apache HTTP Server
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## Projects

- **Reflect** (<https://github.com/davidgoy/reflect>)  
SSR and static site generation capable web app that acts as the front-end for your headless WordPress.
  - **Reflect Form Mailer** (<https://github.com/davidgoy/reflect-form-mailer>)  
Addon for Reflect. Automatically makes plain HTML forms submittable.
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## Awards

- **US patent 8612100 for invention of vehicle management control system (2013)**
    - Invented during time as a PhD research student at *The University of Sydney*
    - Enables an entire vehicle to be controlled by a single software framework running on macOS, Linux or Windows computer
  - **The NEC Semiconductors Singapore Pte. Ltd. Award for Best Project Work (2000)**
    - Created during time as a Diploma in Mechatronics Engineering student at *Nanyang Polytechnic*, Singapore
    - Software written in C that enabled engineers to simulate the dynamic performance of micromouse robot without having to build a physical prototype
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## Business

- **Operates web development business (2011 - Now)**
- **Founded Australian electric vehicle startup *Goy Advanced Automobile* (2006).** Joined by more than 10 Australian and international team members. The startup did not succeed. However:
  - Successfully raised first round of funds to pay for consultation with *Lotus Engineering*
  - Vehicle designed by team was featured in *Top Gear Australia* magazine, *Auto Salon* magazine, *Sydney Morning Herald* newspaper and *The Age* (Melbourne) newspaper

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## Employment

- **Technical Delivery and Support - Applications**  
*States of Guernsey* then later at *Agilisys Guernsey* (2018 - Now)
- **Manufacturing Engineer**  
*Silverbrook Research Pty. Ltd.*, Australia (2004 - 2007)
- **Associate Engineer**  
*Chartered Semiconductor Manufacturing Ltd.*, Singapore (2000 - 2001)

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## Education

- **Doctor of Philosophy (Engineering and IT) by Research - Withdrawn**  
*The University of Sydney* (Dropped out 2013 to pursue business)
- **Bachelor of Engineering (Materials and Mechanical Systems) with Honours**  
*The Australian National University* (2004)
  - Faculty of Engineering and IT Student Services First Year International Scholarship (2002)
- **Diploma in Information Technology (Website Development) With Distinction**  
*TAFE NSW* (2011)
  - 26 distinctions
- **Diploma in Engineering (Mechatronics) with Merit**  
*Nanyang Polytechnic*, Singapore. (2000)
  - 15 distinctions
  - Top 10% of the graduating cohort for the diploma course
  - Sponsorship under *Chartered Semiconductor Manufacturing Ltd.* (1999 – 2000)
  - Top Student Award, Mechatronics Engineering (1999/2000)
  - Top Student Award, Mechatronics Engineering (1998/1999)