

Lim Ting Wei, Software Engineer

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LINKS

[LinkedIn](#), [Github](#), [Profile](#)

PROFILE

Results-driven Software Engineer with 5+ years of experience enhancing software performance, including a 2x runtime improvement for a tool suite. Proficient in Python, JavaScript, React.js, Electron.js, C#, and Java. Advocates knowledge sharing through technical papers and presentations, and promotes coding best practices by introducing linters and formatters to improve productivity and code quality. Experienced in collaborating with teams across the US, Israel, and India to deliver high-quality software solutions.

EMPLOYMENT HISTORY

Jun 2019 — Present

Software Engineer, Intel Corporation

Bayan Lepas

- **Developed an in-house visualizer tool** to display intellectual property (IP) placement and network graphs, enabling the design team to assess and verify the correctness of their designs. Full-stack responsibilities included coding the Python back-end services and designing and implementing the user interface in Electron.
- **Created and maintained a GUI-based IP-XACT editor** that allows designers to efficiently modify IP-XACT content, enhancing workflow and accuracy.
- **Collaborated with cross-geo stakeholders** in Israel, the US, and India to gather requirements, solicit feedback, and ensure alignment on project objectives.
- **Standardized Python coding practices** by implementing linters and formatters in the codebase, which improved developer experience and accelerated pull request turnaround.
- **Contributed to the development and testing** of an in-house connectivity and register transfer level (RTL) integration tool suite, as well as managing customer support tickets to address user issues.
- **Deployed a third-party EDA-based connectivity solution** to the latest server product, achieving a significant reduction in runtime compared to the previous tool suite.
- **Maintained and deployed an automation script** for the latest client product, which drastically cut turnaround time for RTL validation, resulting in a twofold reduction in runtime.
- **Authored and presented two technical papers** at the Design and Test Technology Conference (DTTC) hosted by Intel. One paper on the visualizer tool was selected for poster presentation, highlighting innovations and contributions to the field.
- **Enhanced and maintained an in-house GUI tool** designed for control register specification authoring, focusing on feature improvements and bug fixes to ensure optimal performance and user experience.
- **Took ownership of an automation script** responsible for downloading and uploading control register content from a US counterpart. Successfully integrated this script into the existing tool release process, streamlining operations and improving efficiency.
- **Developed a new tabular feature** to simplify and accelerate the specification authoring process, enhancing the tool's functionality and usability for end-users.

EDUCATION

Jan 2018 — Jan 2020

Bachelor of Computer Science (Hons) Dual Award Programme validated by University of Lincoln, KDU Penang University College

George Town

Grade: 3.99

Achievements:

- **Highest Achievement Award** conferred by University of Lincoln
- **Dean's List** for January 2018 semester
- **Second Runner-Up** at the 24-Hour Penang Open Data Hackathon 2018, organized by the Penang State Government

SKILLS

React	Expert	JavaScript	Experienced
Git	Experienced	Software Design Patterns	Expert
Initiative and Problem-solving Abilities	Experienced	Electron.js	Experienced
Python	Expert	D3.js	Experienced
React.js	Experienced	Communication and Presentation Skills	Experienced