

# Yu Jung Lee

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## Summary

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- Two years+ of experience in full-stack software development.
- Proficient in front-end framework (Vue.js) and back-end programming languages (C++, Python).
- Experienced in integrating open source projects into products and building with different toolkits.
- Skilled in working independently while also thriving in collaborative team environments.

## Skills

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**Languages** C/C++, JavaScript(Vue.js, Extjs), Python, Matlab.

**Database** PostgreSQL, SQLite

**Miscellaneous** Linux, Shell Script, GitLab, CMake, GDB.

## Work Experience

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### Synology Inc

Taipei, Taiwan

Product Developer

Nov 2021 - Current

- Surveyed and developed a database cluster solution for a scaled-out application gateway:
  - Developed configuration customization capabilities, allowing for the customization of PostgreSQL configurations, as well as pgpool-II configuration for failover and query routing.
- Implemented logging features using a logger daemon based on Boost.Asio within a mail server application for the following auditing purpose:
  - Have tracked and organized events at each stage of the SMTP session, consolidating delivery status for each recipient and identifying security issues.
  - Have recorded and consolidated user connections, authorizations, and operation logs within the same IMAP/POP3 session for comprehensive auditing.
- Conducted a survey on the latest email authentication protocols, including DANE and ARC. Subsequently, implemented and integrated these features into a mail server application:
- Maintained and upgraded projects, including PostgreSQL and Apache HTTPD, to ensure seamless integration with our applications and support across different products:

## Education

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### National Taiwan University

Taipei, Taiwan

Master of Science: Mechanical Engineering

Sep 2019 - Jul 2021

- Selected Courses: Data Structure and Algorithm, Operating System, Compiler Technology of Programming Languages
- Work as student advisor of NTU Winter Program in Office of International Affairs

### Okayama University

Okayama, Japan

Exchange Program Okayama (EPOK)

Sep 2017 - Aug 2018

### National Taiwan University

Taipei, Taiwan

Bachelor of Science: Mechanical Engineering

Sep 2013 - Aug 2018

- Minister of Multi-Media Department in pop dance club

## Interests

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Hiking, photography, street dance, drama.