

THANAKUL (JA) WATTANAWONG

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Education

University of California, Berkeley

B.S. in Electrical Engineering and Computer Science | Expected Graduation in May 2021

Cumulative GPA: 4.00

Relevant Coursework: **Algorithms**, **Data Structures**, **Computer Architecture**, Structure and Interpretation of Computer Programs, Discrete Mathematics and Probability Theory.

Skills Summary

- Proficient Frameworks/Technologies: Go, Docker, Kubernetes, Python, Java, JavaScript, Node.js, React, SQL, C, Terraform
- Native fluency in Thai and English. Conversational Japanese fluency (certified JLPT N2).

Experience

Kelda

Software Engineer Intern | June 2019 – August 2019

- Worked on a high-performance local development tool for Kubernetes using Go, gRPC, and Kubernetes Custom Resource Declarations.
- Streamlined the install and upgrade process for the CLI, **cutting download times by half** and reducing the process to a single **user-friendly command**.
- **Designed a feature** to avoid undesirable pod evictions in multi-tenant cluster situations.

UC Berkeley NetSys Lab

Research Assistant | May 2019 – Current

- Finding ways to **maximize throughput and minimize latency** in microservices via smart scheduling.

CalBEEs (Berkeley Educators Engineering Software)

Team Member | January 2019 – Current

- **Implemented highly requested features** on the Python-based assignment submissions server.
- Used React to add new front-end features to the online Office Hours Queue.

Projects / Contributions

- **slackbridge (GitHub: [ocf/slackbridge](https://github.com/ocf/slackbridge)):** Contributed key features such as authenticated private messaging support between Slack and IRC along with fixing critical bugs. Python.

Activities

- Open Computing Facility (<https://www.ocf.berkeley.edu/>)