JAKE UNDERLAND

📍 5-629-1 Nakazato, Kiyose, Tokyo, JPN 204-0003 | 📞 (+81)90 1461 8440

🐙 github.com/jaked0626 | 🔗 LinkedIn | 🌐 JakesBizCard.com | ✉ jakez0626@gmail.com

Looking for part-time and freelance opportunities in data science, software engineering, and related fields.

PROFESSIONAL EXPERIENCE

Optimind Inc - *Algorithms Developer/Product Manager*   *Apr 2022 - Present*

- Algorithms engineering for VRP route optimization program Loogia. Developed core search algorithms, maintained CI/CD pipelines using IaC.
- Led three teams using scrum. Defined critical user journey through market analysis, defind SLOs and collected SLIs. Organied backlog with user story mapping.

Bank of Japan - *IT Department Summer Internship*   *Sep 2021 - Oct 2021*

Morgan Stanley - *IT Summer Insight Program*   *Jul 2021 - Aug 2021*

- Developed and deployed internal CI/CD application to monitor logs and detect anomalies using Python, FastAPI, GCP (Cloud Run), DataDog

Google Developer Student Club Waseda - *Backend Lead*   *Jun 2021 - Jun 2022*

- Led the Backend Team at Japan's largest Google Developer Student Club.
- Used scrum methodology to manage engineers; placed Top 50 in Google's annual Global Solution Challenge.

CreateBase - *Full stack Developer Intern*   *Jun 2021 - Apr 2022*

- Developed web applications using PHP+Laravel, Python; crawled, analyzed, and visualized ecommerce data
- Developed low level logging infrastructure for workstations incorporating image recognition using C++, OpenCV.
- Optimized resource allocation using reinforcement learning resulting in 28% less food waste at workstations.

EDUCATION

Waseda University - School of Political Science and Economics (GPA 3.7/4.0)   *Apr 2019 - Mar 2023*
Global Leadership Fellows' Program fellow. Advisors: Tadao Hoshino, HisatoshiTanaka.

University of Chicago (GPA 3.93/4.0)   *Sep 2020 - Jul 2021*
Public Economics RA, Educational Economics RA. Crawled and analyzed data in a DiD framework.

SKILLS

Languages:	Japanese (Native), English (Native)
Programming Languages:	Python*, Go*, SQL (Postgres)*, C++*, Javascript*, PHP
Frameworks:	FastAPI*, Django, Gin*, React.js*, Next.js*, Laravel
Data Science:	Pandas*, NumPy*, Matplotlib*, Scikit-learn*, R+Rstudio, OpenCV.
Infrastructure:	GCP* (GKE, Cloud Run, CloudSQL, BigQuery, Dataform, Functions, Compute Engine, GCS, Cloud Monitoring), Docker*, AWS* (SQS, Amplify), Terraform*, DataDog*, Fivetran*.

*skills used at Optimind

CERTIFICATES

- Japan Statistical Society Certificate Level 3, Best Grade, 2019
- Waseda University Arai Takanobu Scholarship

EXTRA CURRICULAR

Opeland - *Cofounder*   *Jul 2022 - Present*

- Designed and developed backend architecture of EC system MallTomorrow using Golang, Postgresql, GCP (Cloud Run, CloudSQL).

Catholic Commission of Japan for Migrants, Refugees and People on the Move   *2015 - Present*
Caretaker, Educator, Translator