Hi, my name is

Kosei Yamanaka.

Make People Happy

My passion is to leverage information technology for the betterment of society.

Resume

About Me

I am currently studying Information Technology at Hokkaido University in Japan.

I believe that IT has the potential to revolutionize the way we address global challenges such as climate change, agriculture, and healthcare. I am eager to use my knowledge and skills to develop innovative solutions that will improve the lives of people around the world.

After graduation, I want to work for a company that uses my skills to make a positive impact on the world.

Here are my qualifications and certifications, as well as the technologies I have worked with recently.

QUALIFICATIONS & CERTIFICATIONS:

IELTS	:	Overall 6.0
TOEIC Listening & Reading	:	Score 840
The Japan Kanji Aptitude Test	:	Grade 2
The EIKEN Test in Practical English Proficiency	:	Grade 2
English Technical Writing Test	:	Grade 3
Applied Information Technology Engineer Examination	:	Certified
Hazardous Materials Engineer	:	Class B, Group 1 to 6
Driver’s License	:	Class 1

TECHNOLOGIES:

- Web Development: HTML, CSS, Bootstrap, Tailwind CSS, JavaScript, jQuery, React, GatsbyJS, Hugo
- Back-end Development: PHP, MySQL, WordPress, Python, C, C++, Java
- DevOps: Docker, Docker Compose, Git, GitHub
- System Administration: Linux, Ubuntu, Bash, Zsh, Fish

LANGUAGES:

Japanese	:	Native
English	:	Proficient

HOBBIES & INTERESTS:

- Traveling
- Walking

Experience

TECPRESSO NINJAL

Software Engineer - TECPRESSO

Mar 2022 - Mar 2024

View the product

I worked as a software engineer at TECPRESSO Inc. in Gifu, Japan.

I worked on two projects:

1. Developed a company website.
    - Created frontend design for a product.
    - Team Development
2. Developed a new Web API for automating server setup.
    - Defined requirements.
    - Designed a product.
    - Created a frontend and backend for a product.
    - Tested a product.

Education

Bachelor of Science in Information Technology

Apr 2023 - present

Hokkaido University

I am a student in the Course of Media and Network Technologies, Department of Electronics and Information Engineering, School of Engineering at Hokkaido University.

ACTIVITIES:

Present
- Worked part-time at TECPRESSO.

2024
- October
    - Presented at 2023 IEEE 9th International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA).
        - Title: Development of an iOS Application Leveraging PalmSens MethodSCRIPT for Rapid COVID-19 Detection
        - PDF: Click here
- August - September
    - Internship at International Islamic University Malaysia (IIUM)
        - Developed an iOS application for rapid COVID-19 detection.

2023

My academic record (At present)

Associate of Science

Apr 2018 - Mar 2023

National Institute of Technology (KOSEN), Gifu College

I was a student in the Department of Electrical and Computer Engineering at Gifu-KOSEN.

ACTIVITIES:

Present

- March
    - Participated in HueIC Robocon 2023 in Vietnam.
    - Presented at The 85th National Convention of IPSJ and received an Student Encouragement Award of IPSJ National Convention.
        - Title: Development of a Prototype Progress Management System for Student Experiments Overlaid on Web Pages
        - PDF: Click here
- February
    - Submitted my graduation thesis.
        - Title: Prototype Inventory Management System Using SmartMat for Medical Resource Management
        - PDF: Click here
- Served as a tutor for an international student.
- Worked part-time at TECPRESSO.

2023

- October
    - Served as the Public Relation Director of the Gifu-KOSEN Festival Executive Committee.
    - Created the Gifu-KOSEN Festival pamphlet and website.
- Served as a tutor for an international student.
- Worked part-time at TECPRESSO.

2022

- June
    - Qualified the Applied Information Technology Engineer Examination
- Served as a tutor for an international student.

2021

- Worked part-time at NINJAL
- Served as a tutor for an international student.

2020

- Participated in a 5-day English empowerment program.

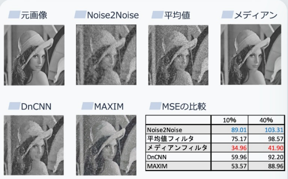
2019

My academic record

Junior High School

I participated in an overseas training program organized by the city and received 8 days of training in Singapore.

Projects

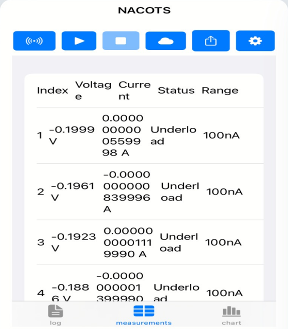


	10%	40%
Noise2Noise	89.01	103.31
平均値フィルタ	75.17	98.57
メディアンフィルタ	34.96	41.90
DnCNN	59.96	92.20
MAXIM	53.57	88.96

Python Noise2Noise

Denoising with the Noise2Noise algorithm

As part of my learning journey in image processing, I developed a program that utilizes the noise2noise algorithm to effectively remove noise from images.



Index	Voltage	Current	Status	Range
1	-0.1999 V	0.0000000000559998 A	Underload	100nA
2	-0.1961 V	-0.0000000000839996 A	Underload	100nA
3	-0.1923 V	0.000000000111 9990 A	Underload	100nA
4	-0.1886 V	-0.0000000001399990	Underload	100nA

Swift MethodSCRIPT

iOS App for Rapid COVID-19 Detection

This iOS app was developed as part of my research at the International Islamic University Malaysia (IIUM).

お知らせ
有頂天猫
プロフィール

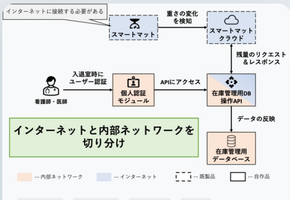
HTML Bootstrap Font Awesome Swiper

Fan Website

I created an unofficial fan site.

Go to Website

Hello World!


インターネットに接続する必要がある
スマートマット
重さの変化を検知
スマートマットクラウド
残量のリクエスト＆レスポンス
入退室時にユーザー認証
看護師・医師
個人認証モジュール
APIにアクセス
在庫管理用DB操作API
データの反映
インターネットと内部ネットワークを切り分け
在庫管理用データベース
… 内部ネットワーク
… インターネット
… 既製品
… 自作品

React React Three Fiber

Website built with React Three Fiber

I built a 3D web page using React Three Fiber. You can move objects on the screen. Part of it was created using a generative AI.

Go to Website

React Firebase

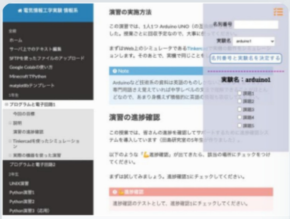
Study Timer App

This is a system that records study time and allows you to keep a record of your studies on the web.

Docker Python HTML CSS JavaScript

Medical Resource Management System

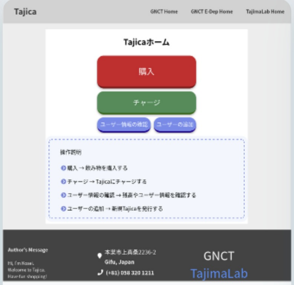
This system is what I developed as my graduation research at Gifu-KOSEN. It uses IC card touch as the key to perform inventory input and output.



Docker PHP HTML CSS JavaScript

Progress Management System for Student Experiments

The system has been shown to significantly improve the efficiency of identifying and supporting struggling students, resulting in a higher percentage of students completing their experiments on time.


Tajica

GNCT Home GNCT E-Dep Home TajimaLab Home

Tajicaホーム

購入

チャージ

ユーザー情報の確認 ユーザーの追加

操作説明

- 購入 → 飲み物を購入する
- チャージ → Tajicaにチャージする
- ユーザー情報の確認 → 残高やユーザー情報を確認する
- ユーザーの追加 → 新規Tajicaを発行する

Author's Message

Hi, I'm Kosei.
Welcome to Tajica.
Have fun shopping!

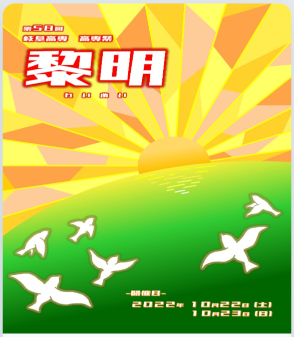
本巣市上真桑2236-2
Gifu, Japan
(+81) 058 320 1211

GNCT
TajimaLab

Python PHP HTML CSS JavaScript

Tajica

I developed a touch payment system using student ID cards with FeliCa.



Microsoft PowerPoint Adobe Illustrator

Gifu-KOSEN Festival Pamphlet

This pamphlet was created by the Gifu-KOSEN Festival Public Relations Committee.

Read Pamphlet

Wordpress

Gifu-KOSEN Festival Website

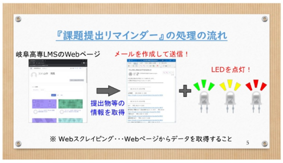
I built the official website for the Gifu-KOSEN Festival using WordPress.

Go to Website

Python

Pamphlet Maker

This is a program that automatically generates pamphlets using Python.

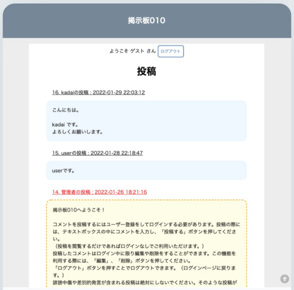

『課題提出リマインダー』の処理の流れ

※ Webスクレイピング･･･Webページからデータを取得すること

Python Arduino

Assignment Due Date Reminder

I developed a Moodle assignment deadline reminder system that combines email notifications with LED visual cues. This system helps students stay on top of their assignments and improves their chances of academic success.


掲示板010

ようこそ ゲスト さん ログアウト

投稿

16. kadaiの投稿：2022-01-29 22:03:12

こんにちは。

kadai です。
よろしくお願いします。

15. userの投稿：2022-01-28 22:18:47

userです。

14. 管理者の投稿：2022-01-26 18:21:16

掲示板010へようこそ！

コメントを投稿するにはユーザー登録をしてログインする必要があります。投稿の際には、テキストボックスの中にコメントを入力し、「投稿する」ボタンを押してください。
（投稿を閲覧するだけであればログインなしでご利用いただけます。）
投稿したコメントはログイン中に限り編集や削除をすることができます。この機能を利用する際には、「編集」、「削除」ボタンを押してください。
「ログアウト」ボタンを押すことでログアウトできます。（ログインページに戻ります。）
誹謗中傷や差別的発言が含まれる投稿は絶対にしないでください。そのような投稿が

Docker PHP HTML CSS JavaScript

Bulletin Board System

I developed a bulletin board system with login, post, edit, delete and thread functionality.

Achievements

The 85th National Convention of IPSJ

I received an Student Encouragement Award of IPSJ National Convention.

Get in Touch

My inbox is always open. Whether you have a question or just want to say hi, I'll try my best to get back to you!

Mail me

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