

Daniel Hughes

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Introduction

I developed an interest in programming whilst I was a student at the University of Leeds. My degree was Japanese language and I have been able to combine my linguistic abilities and interest in technology to develop some language related web apps which are detailed below. I have also written shell scripting tutorials which can be seen on [my blog](#).

Software Development Projects (More details on my [Portfolio](#))

Sakuki (Go (Gin), React JS, Styled Components)

Completed: July 2022

- [GitHub repository](#)
- Business Japanese language translator which uses Google Translate API and then removes and [replaces certain inappropriate words](#)
- Deployed to DigitalOcean VPS using Docker and set up [CI/CD workflow](#) with Semaphore

Courier App (Python (Flask), Javascript, CSS)

Completed: November 2021

- [GitHub repository](#)
- Insurance charge processing app created for a fictional courier company
- Created form with [custom back-end validation](#) using WT-Forms and [front-end validation](#) using Javascript
- Tests written using [Unittest](#) and [Selenium](#) and deployed to DigitalOcean VPS using Docker

Zenmon (Python (Django), Vue JS, Bootstrap)

Completed: October 2021

- [GitHub repository](#)
- **test user:** test_user | **test user password:** onrush-nurse-great-dignify
- Web app which allows users to create flashcards with three sides for studying Japanese vocabulary
- Backend in Django with Postgres DB: [Dashboard Views](#), [Card Views](#), [Models](#)
- Deployed to DigitalOcean VPS

Heiki (Python (Flask), JavaScript, Bootstrap)

Completed: March 2021

- [GitHub repository](#) | [Test input files](#)
- Generates Japanese-English vocabulary lists from a document or image of Japanese text
- Variety of NLP Python packages used for [processing files](#) (for OCR, tokenization etc.)
- Tests written using [Unittest](#) and [Selenium](#), deployed to DigitalOcean VPS using [Docker](#)

Cyber Security / Hacking Education

CompTIA Security+

- Passed CompTIA Security+ exam in 2023
- Studied topics including:
 - Secure coding (input validation)
 - AWS (Security Groups, Transit Gateways)
 - Incident response (MITRE, Cyber Kill Chain)
 - Social engineering / phishing
 - Risk management
 - Compliance (ISO standards, SOC audits)

zSecurity Ethical Hacking Course

- Developed practical experience in:
 - Network hacking (Packet sniffing, WPA cracking)
 - Wireshark
 - SQL injections
 - ARP poisoning
 - Metasploit
 - Cross site scripting

Relevant Work Experience

1Password

Remote

Customer Support Associate

June 2021- Present

- Assisted businesses with a variety of technical issues in both English and Japanese
- Created a style guide for translating our responses into Japanese which was published in our internal documentation (this gave me the inspiration to create Sakuki)
- Assisted our developer customers with using the 1Password SSH Agent and command line interface (CLI)
- Helped customers write shell scripts and communicated with our own developers regularly

Software Developer Mentee - 1Password web app team

February 2022 - Present

- Worked on several GitLab issues, received feedback on my code, and filed merge requests
- Code that I wrote is now running in production on the 1Password back office system
- Fixed file size rounding issue (Go)
- Refactored billing system code, removing hard coded country codes and defining constants (Go)
- Created table which displays user permissions based on data received from API (Go, React, Typescript)

Arden Software

Greater Manchester, UK

Intern (WordPress, SEO, HTML, CSS)

August (2019)

- Primarily carried out SEO and WordPress related tasks
- Increased Google Page Speed Insights (Lighthouse) score of the company's website by 40 points

Complink UK

Glossop, UK

Part-time repair engineer

Sep 2013- Oct 2014

- Diagnosed problems with client's computers and used a variety of software to carry out virus removals
- Built, upgraded and repaired computers (replacement of RAM, HDD etc.)

Education

Udemy / independent study

Nov 2020 - Present

- 30+ hour Python and JavaScript courses, 20 hour SQL/MySQL course
- Algorithms, data structures

University of Leeds

Sept 2016 - July 2020

BA Japanese - 2:1

- **Main subjects:** Japanese language, Japanese and general East Asian history
- **Elective modules:** Corporate Strategy, Managerial Decision Making, Corporate Law

Doshisha University

Sept 2017 - August 2018

- Studied at Doshisha University, in Kyoto, as an exchange student for 1 year
- Primarily studied Japanese language but also took other modules such as Japanese Economic History
- Worked part-time as an English language instructor/home tutor for both kids and adults
- worked at the university as a Global Assistant, advising local students about study abroad programs

Aquinas College (high school)

Sep 2013 - Aug 2016

- A Levels: Government and Politics (A*), Psychology (B), Japanese (B)

Languages

- Japanese - B2 (passed JLPT N2 in 2019, this is the second highest level of Japanese language proficiency)
- Russian - A1 (basic conversational - currently learning)

Other Information

- Hobbies include various forms of exercise, photography and reading