

SKILLS

.NET (VB,C#) **Go**
SQL **Fluent Japanese**
Swift GCP, AWS, Azure
Javascript Python (Tensorflow/ Keras)
React.js Pharo (Smalltalk)

Strong Understanding of OOP and Design Patterns.
Knowledgeable in Database Management and Concurrency.
Passion to work with intelligent and collaborative teams on problems that contribute to a brighter tomorrow.

Thomas Furland

Backend Developer

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PREVIOUS EMPLOYMENT

Software Engineer, 株式会社 BayVillage Ltd. - Yokohama, Japan

September 2019 - Current

- Developing B2B software pertaining to Product Data, Real Time Pricing, Distribution of Data, etc for Supermarket Chains, Pharmacies and Department Stores across Japan.
- Work roles include UI Design and Development for Client Facing Applications. Backend API Development. Database Management. Testing and Deployment.
- Specialized in **.NET** based Application Development using **Visual Basic** and **C#**. Database Management with **SQL Server**.
- Some experience with Azure DevOps and Android Application development with Java and Kotlin.
- **Japanese Speaking Environment Only**

EXPERIENCE

Kokoda! Food Truck Finder - Partner Project, Japan

July 2021 - October 2021

- Worked with a startup founder to create an Uber Eats Clone which specialized in tracking food vendors and informing customers about Food Truck Location, Ratings and Menu Information.
- **Led** the Technology team. Used **Swift** to create UIs for the various application users. **Go** for API and DGraph for Database Management. Hosted on AWS.

Project Maverick. Forex Forecasting - Partner Project, Canada

September 2018 - February 2019

- An experiment with deep learning to forecast currency pair prices on the Foreign Exchange Market (FOREX) and turn profit.
- Used Python with Keras and Tensorflow deep learning frameworks. Scrubbed raw data with Numpy and Pandas. Worked with Oanda and FXCM brokerage APIs. Used **MySQL** for database management. Hosted CPU intensive programs on Google Cloud Platform to speed up computation.

Rocket Report. Report Card Evaluation Program - Solo Project, Canada

February 2019 - August 2019

- Uses Canadian Red Cross Swim Kids evaluation sheet as a checklist for input. Outputs tailored comments that help improve quality and communication for evaluators when evaluating large numbers of students (40+ students at finals week). Time saved was roughly 10 hours of work during finals week when used.
- Server API created with Python and Database Management with **SQL**. Prototype UI developed with Python and PyQt. Launched as a web application using React.js and GraphQL. Hosted on GCP.

EDUCATION

Introduction to Programming Nanodegree , Udacity.com

June 2016 - December 2016

Completed Introduction to Programming, learning fundamental programming skills with Python such as syntax, Object Oriented Programming (Encapsulation, Abstraction, Inheritance, Polymorphism), Debugging, Testing and Front-end programming with HTML, CSS and Javascript.

HOBBIES

Outside of Programming related activities I enjoy being active and exploring new places I haven't been to before. I like to Run, Weight Lift, Snowboard, Swim, Bike and play Ice Hockey. I enjoy exploring new foods, travelling to new cities and meeting new people.

I enjoy reading books on best coding practices, deep diving into the Programming Language Smalltalk, Exploring future technologies related to software as well as designing and building my own applications. Recently I've been very enthusiastic about iOS development, Go and other Concurrent Programming languages and Graph Database implementations such as Neo4j and DGraph.

REFERENCES

Yuji Saya - President of BayVillage Ltd.

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- Email: **saya@bayvillage.co.jp**

Darren Chen - Aquatic Supervisor of Minoru Aquatic Centre

- Phone: **1 (604) 238-8017**

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