

# Tomoharu Kawata

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## iOS & Android Developer

- ✓ Investigating and development Android framework and Linux Kernel.
  - ✓ Developed Android app with pseudo server tech.
  - ✓ Enhanced iOS app with BLE communication and Server API
  - ✓ Maintained iOS app with Voice Recognition test automation.
  - ✓ Studied about mobile sensor network in University(master).
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## Professional Experience

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### iOS/macOS Developer (12/2020 – Current)

#### App for Voice Recognition test Automation

- Refurbishment iOS app for Voice Recognition which supports test automation's core process.
- Investigated core issues why the bugs reported occur.
- Define and add new features a part of store device status feature.
- Have suggestions how to fix bugs efficiently.
- Collaborate with several teams to create better features.
- Testing the validity of built app.

#### Technology Used

Objective-C, iOS (12, 13, 14), macOS (10.15, 11.1), RestAPI

### iOS Developer (07/2020 – 11/2020)

#### App for keep kids' location with a device that has GPS and e-sim

- Refurbishment iOS app which connects Bluetooth devices and Server.
- Defined new features behavior and implemented.
- Suggestions for the way how to fix bugs.

#### Technology Used

Swift 5, iOS (12, 13), RestAPI

### Android Developer (04/2020 – 06/2020)

#### Testing client App that uses wi-fi authentication

- App design arrangement.

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- Building pseudo HTTP server on Android for testing existing app.
- Testing the validity of built app

## Technology Used

Java, Android (8, 9, 10), HTTP server

## Android Developer (08/2019 – 03/2020)

### Bug fix for Customized Android OS for multifunction machine

- Investigating vulnerabilities Customer Gave.
- Analyzing Android frameworks and Linux Kernel in Android customized.
- Correcting codes which are vulnerable and make secure patch for specific OS.
- Testing the validity of patches.
- More than a hundred bug fix patches delivered

## Technology Used

C, C++, Java, Android, ARM

## Technical Proficiencies

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<b>Languages</b>	C, C++, Java, Swift
<b>Source Control Systems</b>	Git
<b>IDE and Editors</b>	Visual Studio, Android Studio, Xcode, Vim
<b>Platform</b>	Android (8 - 10), iOS (12 - 14), macOS (10, 11)

## Education

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**Master of Science, 2018**

**Shimane Univ., Shimane, Japan**