

# WIT OWCZAREK

Warsaw, Poland

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## TECHNICAL SKILLS

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**Languages:** Swift, Python

**Frameworks:** SwiftUI, UIKit, CoreML, VisionKit, Combine, CoreData, CloudKit, WidgetKit, Vapor, Metal, SpriteKit, SceneKit, CoreImage, AVKit, AVFoundation, Photos, DeviceCheck, AppIntents

**Tools:** Xcode, Vim, Instruments, Git & GitHub, SPM, Docker, TestFlight, AppStore Connect, Figma

**Patterns:** MVC, MVVM, SOLID, DI

**Libraries:** Firebase, AWS Amplify, Factory, TelemetryDeck, TrustKit

## PROJECTS

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**Pushaton** | *Swift, SwiftUI, SpriteKit, VisionKit, Combine, AVFoundation, CoreML* January 2024 – March 2024

- A fitness game built in SpriteKit & SwiftUI, where you control your in-game character by performing pushups.
- Trained a custom LSTM-based model in TensorFlow (Python), converted to Core ML with `coremltools`, achieving a 87.3% test accuracy.
- Implemented a push-up stage recognition pipeline using Combine: captures frames, extracts body keypoints with VisionKit, preprocesses data and interfaces with the model for real-time prediction.
- Awarded Distinguished Swift Student Challenge Winner 2024 by Apple.
- Check it out on [Github](#)

**Wigion** | *Swift, SwiftUI, UIKit, WidgetKit, AppIntents, CoreData, CloudKit* June 2023 – Present

- An app which adds better Notion widgets for iPhone & iPad
- Implemented OAuth 2.0 for secure Notion Integration authentication (based on Universal Links)
- Used CoreData with CloudKit for data persistance and synchronization across devices
- Integrated TrustKit for certificate pinning, RevenueCat for in-app purchases, TelemetryDeck for usage insights.
- Check it out on the [AppStore](#)

**PhotonKit** | *Swift, SwiftUI, UIKit, Photos, AVKit, DeviceCheck, Vapor, Firebase, TipKit* July 2024 – August 2024

- An AI-powered iPhone photo editing app, using Swift, SwiftUI and Photos to create a performant image gallery.
- Built a Vapor server proxy to manage requests between users and the Stability AI API, tracking subscription status via RevenueCat webhooks to determine user credits, with DeviceCheck validating device integrity and Firebase JWK verifying secure server-client communication.
- Enabled subscription purchases via RevenueCat, supported by Firebase-Analytics, Firebase-Crashlytics and Firebase-Performance for monitoring, with GoogleSignIn, Apple Sign In via AuthenticationServices.
- Added Lottie animations for engaging visuals & AVKit for transparent video playback.
- Check it out on the [AppStore](#)

## EDUCATION

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**VI Liceum Ogólnokształcące im. Tadeusza Reytana**

*High School Diploma*

Warsaw, Poland

Aug 2021 – May 2025

## INTERESTS

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- Participating in hackathons
- Building custom ergonomic mechanical keyboards
- Calisthenics training

## AWARDS

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**Distinguished Swift Student Challenge Winner**

*Recognized for development of Pushaton.*

Apple

2024