

Victoria Shalygina

Personal site: <http://www.victoria-dev.org/>

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WORK EXPERIENCE

Android Developer

2024 – 2025 | CheapTrip, Remote

- Contributed to the development of an educational mobile application powered by Gemini AI to provide accurate solutions to academic problems.
- Converted Figma mockups into dynamic and responsive UI elements using Jetpack Compose.
- Integrated Google AdMob, enabling effective in-app monetization.
- Enhanced accessibility by implementing Text-to-Speech.
- Implemented KaTeX to render mathematical formulas.
- Utilized Room Database for secure local storage of user preferences.
- Optimized the app for older devices.
 - **Stack:** Kotlin, Android SDK, Jetpack Compose, Room Database, Hilt

PROJECTS

Mobile Menu Generator App

- Built a cross-platform Flutter application for personalized meal plans generation.
- Implemented auto BMR calculation based on user physiological metrics.
- Integrated Gemini API to create meal plans that take into consideration BMR and daily budget in USD.
- Utilized ObjectBox for local storage of meal plans and user preferences.
- Designed a responsive and user-friendly UI for viewing meal plans and managing user data.
 - **Stack:** Flutter, Dart, ObjectBox, Riverpod, Gemini API

Route Optimizer Web App

- Designed and developed a web app which calculates the most optimal route to visit multiple points of interest, a traveling salesman optimization problem.
- Implemented a log parsing system using regular expressions to extract coordinate data.
- Created a dynamic and user-friendly interface with Angular.
- Leveraged the Spring Framework to handle backend logic and routing algorithms.
 - **Stack:** Java, Spring Framework, Typescript, HTML, CSS, Angular

Overlay Translator

- Developed a light-weight desktop translator application with OCR.
Designed overlay system which allows a user to select screen area for text recognition.
- Utilized Mistral AI to add fast optical character recognition.
- Integrated Pynput for configurable global key bindings.
- Implemented DeepL and Google API as translation services.
 - **Stack:** Python, PyQt5, MVC, Pynput, Rest API

EDUCATION

- Mandarin Language Courses at Chinese Culture University
- Meta Intermediate-level Android Development Courses

SKILLS

Kotlin, Dart, Android SDK, Flutter, REST API, Room Database, Hilt, Jetpack Compose, Git, GitHub