

Yann Zaoui

Bachelor of Computer Science, University of Waterloo

Work

Android Developer — Company Confidential Remote, Canada. Dec 2020 - Present

- Led team & codebase at adding **Kotlin coroutines** for asynchronous & reactive flows, best practices incl. structured concurrency
- Introduced **Jetpack Compose** with new screens & components, coaching teammates using personal experience & research
- Created automation for releases & code verification using **GitHub Actions**, greatly improving code velocity
- Implemented robust search module to unify all search operations

Android Developer — D2L Kitchener, Canada. Jan-Apr 2018

- Reimplemented core app architecture using **Clean Architecture** principles (The Dependency Rule, ideal data flow)
- Utilized **Android Architectural Components** (Data Binding, ViewModel, LiveData) to reimplement app flow
- Achieved **full test coverage** (unit, integration) of new architecture with concise tests following Clean Architecture, removing prior dependencies such as a mocking
- Created dynamic feedback & rating flow, led to increased user engagement & Google Play Store rating

Android Developer — D2L Kitchener, Canada. May-Aug 2017

- Rewrote entire camera functionality using Android's Camera2 API
- Constructed view components with robust states & transitions

Full Stack Web Developer — gatewayIQ Cambridge, Canada. Jan-Apr 2016

- Architected new iteration of company website using **Laravel** (PHP)
- Improved live site by applying database normalization in **PostgreSQL**
- Implemented new database access layer in **Neo4j** (graph database)

Full Stack Web Developer — Audiobooks.com Burlington, Canada. May-Aug 2015

Projects

- **PBBG**: Online social game using Ktor web framework, React, and Web Components. Kotlin, TypeScript+HTML+CSS
- **RemindMe**: Android app to set personal reminders with notifications. Kotlin
- **ConnectFour**: Custom game engine built over SDL2 to practice architecture & resource management. C++
- **HistoPaint**: Paint program with animation replay feature, scrubbing through drawing timeline. Java
- More @ yannzaoui.com/portfolio

Contact

- contact@yannzaoui.com
- yannzaoui.com
- github.com/yzaoui

Skills

- Experience writing **Kotlin, JavaScript/TypeScript, C/C++, Java, HTML, SASS/CSS, SQL, React, PHP**
- Develop on **Windows, Linux, macOS**, comfortable with command line, text editors, and JetBrains family of IDEs
- Use **Git** for version control
- CI/CD experience using **GitHub Actions, Bitrise, CircleCI, Travis CI, Heroku**
- Fluent in **English & French**, intermediate **Japanese & Arabic**

Education

- **Bachelor of Computer Science**, 2014-2019
- President's Scholarship of Distinction, 2014