

# Yann Zaoui

Bachelor of Computer Science, University of Waterloo

## Work

### 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 component to be used in a prompt and dedicated section in app, led to increased user engagement & Google Play Store rating

### Android Developer — D2L

Kitchener, Canada. May-Aug 2017

- Rewrote entire core camera functionality using Android's new camera API Camera2
- 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)
- Introduced codebase testing at many levels (unit, integration, system)
- 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

- Upgraded administrator site to support new tables paving the path to a successful promotion campaign
- Set up over a dozen cron jobs, increasing user engagement by targeting specific customer sets
- Created a PHP procedure to process ONIX (book metadata standard) files to facilitate communication with book publishers

## 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](http://yannzaoui.com)

## Contact

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- [yannzaoui.com](http://yannzaoui.com)
- [github.com/yzaoui](https://github.com/yzaoui)

## Skills

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

## Education

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