

# Yong Lin Wang

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## SKILLS

**Front-end & Web Dev:** React.js | Angular | RXJS | Redux | React Native | jQuery | Webpack | NextJS | ExpressJS | Gatsby

**Databases:** PostgreSQL | MongoDB | Firebase | DynamoDB

**Programming Languages:** Typescript | Javascript | Python | Java | Ruby | Dart Lang | Go Lang | SQL

**Back-end Development:** Java Sling | Maven | ExpressJS | GraphQL | REST | Docker | GraphQL

**Concepts:** Algorithms | Data structure | OAuth 2.0 and OpenID | SRP | MVC

## WORK EXPERIENCE

**Riot Games**, Los Angeles/Canada

*Intern Software Engineer, (05/2022) - (08/2022)*

- Implemented reusable asynchronous related articles React component for Riot game websites (Valorant, Wildrift, etc.) with a combined traffic of over 10 million page views, leading to a 20% build time improvement.
- Designed and implemented a search UI prototype in Preact that lead to the design of search on Riotgames.com.
- Coordinated the repair of a defective API on the Valorant website with over 140k monthly page views.

**University of Ottawa Engineering Outreach**, Ottawa Canada

*Intern to Full-stack Software Engineer, (05/2019)-(05/2022)*

- Lead the design of the program and event registration forms that generates over \$350,000 in revenue annually for the company.
- Optimized processes for Epic proposal and sprint planning, team was able to complete 50% more story points after the new processes are implemented.
- Overhauled the application's authentication and IAM system, enabling OAuth 2.0 with high legacy system compatibility through robust migration workflows. Thousands of users are now benefiting from the new identity management system.
- Architected an image processing pipeline to compress and process images stored in S3 on the fly that handles over 14000 requests monthly.

## PROJECTS

**Splitify.io.** Typescript, ReactJS (CRA), Tailwind CSS

*An app for quickly splitting bills amongst friends.*

- Built reusable UI components (button, input, etc.) using Tailwind CSS
- Designed, implemented, and tested an algorithm that can split bills reliably by the item

**University of Ottawa Software Club Website (UOSC.io).** Gatsby, React.

- Designed and built the landing page using Gatsby with Typescript.
- Deployed club API services on AWS Lambda

**CHAD Clinic**, Flutter Dart, Firebase, Firebase Functions, Typescript & ExpressJS

- Developed a front-end android application using flutter and MVC

## EDUCATION

Bachelor of Applied Science – Software Engineering, Graduate 2023, University of Ottawa

Courses:CSI 2110 **Data Structure and Algorithms**, CSI 2132 **Database**, SEG 3103 **Software QA**, SEG 3125

**Analysis and Design of User Interfaces**, SEG 2106 **Software Construction**, SEG 4135 **Cloud System Networks**