

Yonglin Wang

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EDUCATION

University of Ottawa

Ottawa, Canada

B.A.S. Software Engineering (Magna Cum Laude)

Sep 2019 – Jan 2023

Select Coursework:

Data Structure & Algorithms	Software Quality Assurance	Analysis and Design of User Interfaces	Databases
Software Construction	Cloud System and Networks	Operating systems	Real-time Systems

EXPERIENCE

Riot Games

(Remote) LA, CA

Software Engineer Intern, Marketing Platform Technologies

May 2022 - Aug 2022

- Built React Components for asynchronous related articles, deployed in Riot Games websites (Valorant, WildRift)
- Components above hit 10 million monthly page views and drove 20% decrease in built time
- 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
- Implemented a RESTful API endpoint that searches related content using content tags instead of article ID
- The endpoint and components reduced Valorant site production build time by 4 minute (median)
- Technologies used: React, Gatsby, Java, TypeScript, CSS, ElasticSearch, AWS, Netlify, Jenkins, Styled Components, GraphQL

University of Ottawa

Ottawa, Canada

Full-stack Software Developer, Engineering Outreach

Sep 2020 - May 2022

- Lead a real-time, async, learning project to empower hands-on STEM content in hybrid learning environments
- Built the program & event registration form client that streamline complex business logic and process payments
- The above forms are mission critical and processes over \$1,150,000 in revenue annually for the department
- Refactored the identity service to be OpenID compliant and migrated over 2,000 unique users to new solution
- Architect a static deployment solution for the Angular SPA using AWS CloudFront, S3 and GitHub Actions
- The new deployment architecture reduced application load time by over 300ms for end customers and reduced hosting cost by over \$140 a month
- Technologies used: Angular 2+, Redis, PostgreSQL, NodeJS, Java, Apache Sling, SCSS, OpenID, oAuth 2.0, AWS S3 · Lambda · ECS · CloudFront · Cognito

SKILLS

Languages: Java, Typescript, Javascript, Python, Ruby, Dart, Golang, CSS

Web Front-end: React.js, Angular, Tailwind, RXJS, Redux, React Native, NextJS, Gatsby, Webpack, Vite

Web Back-end: Java Sling, Maven, Node, GraphQL, REST, Elastic Search, NestJS, Docker, Redis, PrismaJS

Databases: Postgres, MongoDB, Firebase, DynamoDB

SELECTED PROJECTS

Chronicle [Typescript, React, Node, MUI]: Practice tracking for personal care clinics

[Github]

- Building a practice tracking SaaS that enables infinite extensions with user generated data forms
- Developed a plugable custom form rendering engine and validation solution to enable rapid product iterations

Splitify [React, Typescript, Tailwind]: Frugally split bills with friends

[GitHub]

- Built & tested a system to split bills down to individual item responsibilities with the ability to modify the final value to reflect discounts and additional fees
- Built a simple to use web interface using Tailwind CSS and React