

# LEONARD TNG

SOFTWARE ENGINEER

## ABOUT

I am a freshman from Yale-NUS College with a deep interest in technology, intending to major in computer science. With a mindset of curiosity and the eagerness to challenge myself, I work hard and is able to learn fast, given any new environment and work setting. Energetic and enthusiastic, I enjoy working in a team and takes joy in sharing ideas, engaging in discussion, and motivating others.

## EDUCATION -

### Yale-NUS College, Singapore

(2020 – 2024)

- Bachelor of Science, Computer Science (Intended)
- Global Leader Scholar

### National Junior College, Singapore

(2012 – 2017)

- Integrated Programme
- MOE Pre-U Scholar
- GCE 'A' Levels, 90 Rank Points, 6 Distinctions

## TECHNICAL SKILLS -

**Programming Languages:** TypeScript, JavaScript, HTML5, CSS3, Python, R

**Frontend Frameworks:** React.js, React Native, Material UI

**Backend Frameworks:** Django REST Framework

**Database:** MySQL

**Utilities:** Amazon Web Services (S3, Cloudfront, Route 53, EC2, Lambda, RDS), Git, GitHub, Docker, Invision Studio, Affinity Designer

**Product Management:** Agile Software Development, Software Development Life Cycle, User Acceptance Testing

## OTHER SKILLS -

**Soft Skills:** Initiative, Teamwork, Planning Ahead, Leadership, Communication

**Spoken Languages:** English, Mandarin

**Computer Skills:** Microsoft Office

## EXPERIENCE

*October 2019 – September 2020 (1 year)*

**Software Engineer • Product Management • Full-Time Internship • Boogle Group Ltd.**

- Built, implemented and maintained the frontend side of a merchant dashboard for a digital signage advertisement platform using React.js TypeScript.
- Used React Native to build a mobile application for a QR check-in system. Built, implemented and maintained a web-based admin dashboard using React.js TypeScript with Django REST Framework to complement the mobile application.
- Taught frontend development to Nanyang Technological University (NTU) Business School final-year students for a web development module [BF3210] as part of an educational partnership between Boogle Group Ltd and NTU.
- Formulated product features based on market research and analysis of competitors. Conducted user acceptance testing on the completed product.

## SOFTWARE PROJECTS

**Personal Website:** <https://www.leonardtng.com/>

- Built and hosted a personal portfolio website using React.js TypeScript, and Amazon Web Services (AWS).
- Performed search engine optimisation on website for high Google search rank

**CodeCache:** <https://www.codecache.io/>

- Built a web application using a React.js TypeScript frontend that allows users to add, edit, delete, and view code snippets in a clean and simple UI.
- Leveraged progressive web application technologies so that users can download the application directly from the browser on both desktop and mobile.
- Developed a RESTful API backend using Django REST framework that is capable of storing and interacting with code snippets in a MySQL database.
- Incorporated token authentication to handle user's login and logout. Implemented email verification via SMTP for user registration using Django's built-in mail function.
- Deployed backend on an AWS EC2 server using Docker and the database on AWS RDS.

## LEADERSHIP & CLUBS

*August 2020 – Present (4 months)*

**React.js Instructor & Project Lead (Frontend) • Yale-NUS College • Yale-NUS Hacks**

- Conducting a weekly 3-part workshop on React.js, with over 30 participants.
- Leading a frontend team of 5 students for the development of a mobile app using React Native that allows students to view and sign up for college events.

*July 2016 – June 2017 (1 year)*

**President • National Junior College • National Junior College Symphonic Band**

- Led the executive committee to organise annual band camp and concert.
- Oversaw the logistics, planning and venues of rehearsals.

## CONTACT

**Website:** [www.leonardtng.com](http://www.leonardtng.com)

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**GitHub:** [www.github.com/leonardtng](http://www.github.com/leonardtng)