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# TOBY CLARK

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## SUMMARY

As a full-stack web developer, I possess a strong problem-solving ability and a passion for continuous learning and growth. Proficient in HTML, CSS, JavaScript, and multiple frameworks, I am eager to apply my skills to tackle new challenges and expand my skillset further.

## TECHNICAL SKILLS

- Languages: Typescript, Javascript, python, swift, HTML, CSS, C++, C#
- Databases: GCP Firestore, mssql, mysql, mongodb
- Other: React.JS, React Native, git, Google Cloud Platform, Linux, Shell, Windows, GCP Serverless functions (functions v1 & v2), Jira & Atlassian Ecosystem, Content Management Systems

## AWARDS & CERTIFICATES

- Hackerrank:
  - Javascript (basic/intermediate)
  - Python (basic)
  - React (basic)
- Australian Defence Force, Junior Innovators Award (2022)

## EXPERIENCE

### **HSC Buddy, Wahroonga** – *Co-founder, Developer*

DECEMBER 2022 – PRESENT

- Designed and developed a web application using React, GCP Functions, GCP Firestore, GCP Firebase (hosting, realtime db, & authentication)
- Designed and developed a NLP python application to process a large volume of pdfs (HSC Past Papers and Marking Guidelines)
- Worked collaboratively with a team to implement features and maintain existing code base using git and Github
- Optimised Node.JS functions (GCP Functions) and python backend to radically reduce runtime and optimise cloud costs
- Created a Microsoft Enterprise App to handle SSO requirements

### **North Shore Basketball League, St Ives** – *Coach / Referee*

January 2022 – PRESENT

- Designed and developed a python application to simplify league management and admin processes, using Python, MS Excel (through xlwings and openpyxl), and Selenium
- Through basketball coaching I have built customer service skills, developing younger players (k-12) teamwork, social interaction, and communication
- Helped coaches grow their coaching and leadership skills through communication and collaboration

## Other Projects

- Designed and developed a dynamic website for Sunshine Coast Neurological Rehabilitation, using a CMS (webflow) and firebase hosting and functions.
- Designed and developed a web application for an academic project - small boutique cinema management system including stock and ticket booking, built with React, tailwind, and firebase
- Built hobby projects in React including a pomodoro timer and a wordle clone

## EDUCATION

### Knox Grammar School & Northern Beaches Christian School

FINISHED 2021

- Competed in state and national robocup competitions, using lego ev3 and python to enable robots to play soccer. In these competitions our team developed a new method to use triangulation to manage court geopositioning. We came second and fifth respectively
- Assisted leading cadet tech, which was how our cadet unit got certified to fly drones under the Australian Army Cadets
- Senior Sergeant in the Knox Cadet Unit and qualified for the elite platoon
- Leader for both media and production, organising and running school events such as the end of year assembly and the musical