# Simon Yang

I am full-stack development learner, Python programmer, and amateur UI design beginner. I am developing a virtual health assistant, ***WeCheck***, to experiment on frontend engineering and responsive desgin skillsets.

## Contact


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szymonyang.github.io/


## About Me

LinkedIn / Portfolio

Github / Dribbble

## Education

**Bachelor of Computer Science**
The University of New South Wales (2016 - 2018)

Distinction in Computer Network, Software Engineering, Microprocessors, and etc.

## Project

***WeCheck***

I built this virtual health assistant with React, Node, and SocketIO.

I also experimented on new practices like Hooks, Context, and SSR.

*See: wchck.herokuapp.com/*

## Skills

Python, JavaScript, and C/C++

Frontend with HTML/CSS and React

Backend with Node, Express and Django

Microservice, AWS Lambda, and Serverless framework

## Experience

**Graduate Developer, Automation and Test Engineer**
Transport for NSW / Oct 2020 - Now

- Perform automated functional, regression, and sprint testing across Opal Connect, Park&Ride, and Opal Digital Card
- Develop a microservice POC with TypeScript, AWS Lambda, and Serverless, to evaluate an alternative virtual card issuer (Marqeta)
- Automate UI testing with CI/CD pipeline to improve regression coverage by 30% (Java, Appium, and Junit) on the digital card app
- Conceptualise 50+ E2E test cases with Mastercard, to cover scenarios of token provisioning, token management, and balance calculation

**Backend Engineer**
Medius Health / Nov 2019 – Jun 2020

- Leveraged AI power to build symptom select, disease scoring, and assessment result RESTful APIs (Python and Django)
- Internationalised the symptom assessment chatbot with multi-language support (English and Hindi)
- Increase the coverage of automated integration testing by 40%, with PyTest and Jenkins

**Software Developer Internship**
eHealth, CSIRO / Nov 2018 – Mar 2019

- Conceptualised a data analysis tool to cleanse 30k search logs (Python, Pandas and NumPy) on a clinical terms search engine
- Uncovered 3 user behaviours and delivered 5 optimisation strategies to the improve search accuracy
- Monitored search log and performance of the search engine hosted on AWS EC2, via Elasticsearch and Kibana