

# Thomas Nicholas

SOFTWARE ENGINEER

## CONTACT

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[LinkedIn profile](#)

## TECH SKILLS

- Javascript, CSS, HTML
- Python, R, SAS, SQL
- Node.js
- React.js
- PostgreSQL



## EDUCATION

### Software Engineering Immersive

General Assembly - Sydney, Australia

Feb - May, 2023

### Master of Medical Science

Karolinska Institute - Stockholm, Sweden

2017 - 2019

### Bachelor of Science - Mathematics

University of New South Wales

Sydney, Australia

2012 - 2016

## PROFILE

A motivated Software Engineer with a background in biostatistics and public health research. Combining strong analytical skills, programming knowledge and a commitment to continuous learning. I'm looking for a role where I can develop innovative software solutions.

## SOFTWARE DEVELOPMENT PROJECTS

### Precision Stocks

- Developed a web application that provides financial data and information from the Alpha Vantage API and integrates machine learning algorithms to provide stock price prediction.
- Built with **React.js, Flask, and TensorFlow**

### Daily Learnings

- Built a RESTful web application that allows users to write and store notes on a topic they are learning.
- Full stack project built with **Node.js, Express, and PostgreSQL**

### Heart Health

- Developed a web application that visualises a health dataset.
- The front-end is built using **React.js** and the back-end with **Flask** and **Python**. Machine learning models build with **Scikit-learn**.

## PROFESSIONAL EXPERIENCE

### Biostatistician - NSW Health

Jan 2022 - Jan 2023

- Conducted statistical analysis for a state healthcare data project involving large linked administrative datasets.
- Prepared research reports for diverse stakeholders.
- Demonstrated technical proficiency while working with SQL, R, and SAS.

### Research Assistant - National Drug and Alcohol Research Center University of New South Wales

April 2020 - September 2021

- Accurately conducted data extraction for systematic reviews
- Conducted published and grey literature searches
- Completed full text and abstract screening for systematic reviews

### Research Assistant, Sydney Medical School - Sydney University

September 2015 - January 2017

- Worked collaboratively with academics to coordinate curriculum material
- Demonstrated high attention to detail when inputting research data