

# Johnson Chau

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## Education

University of Sydney

Feb 2019 – Nov 2022

Bachelor of Commerce and Advanced Studies (Major in Business Analytics & Computer Science)

Computer Science WAM: 85.2 (High Distinction) / Combined WAM: 82.3 (Distinction)

North Sydney Boys High School

Feb 2017 – Nov 2018

ATAR: 99.55 (NSW Premier's Award for All-Round Excellence; 5th in Economics & 6th in Physics in NSBHS)

## Professional Experience

Data Analyst, Allianz, Sydney

Sep 2020 – Present

- Developed Python code to add data drilling functionality to payroll exception reporting; automated data acquisition stage for payroll reporting to save 10 mins per run; created documentation for data warehouse
- Conducted new hire turnover analysis using Python; built multiple classification models to predict turnover; presented findings to HR General Managers

Academic Tutor, North Shore Coaching College, Sydney

Nov 2018 – Present

- North Shore Coaching College is a tutoring centre with over 60 campuses across Australia; my role is to teach mathematics to a class of 10+ senior students
- Developed new Physics course material such as workbooks for explaining motors and generators

Accenture Technology Bootcamp, Accenture, Sydney

Feb 2020 – Feb 2020

- Worked in a team of 5 attendees and Accenture mentors for 5 days; created a sustainable food web app where users can make recipes from their left-over ingredients
- Showcased web app and business strategy to Accenture's Managing Director and Senior Software Engineers

## Extra-Curricular Activities

Treasurer, Sydney Computing Society, University of Sydney

Aug 2019 – Sep 2020

- Worked with a team of 16 to host social and industry events such as weekly industry events, hackathon and first year camp; managed society's cash balance of \$42,000 to fund events for over 1000 members

Academic Mentor, School of Computer Science, University of Sydney

Jul 2019 – Nov 2019

- Part of a group of 66 students, competitively selected to mentor a 1st year python programming unit (INFO1110); worked with a fellow tutor and mentor to help a class of 15 students with python

## Projects

Maths Game Android App

- Maths trivia for students to finesse their arithmetic skills; developed in Android Studio using Java and Gradle and published on Google Play Store

Tesla Stock Price Forecasting Project

- Time series forecasting on Tesla stock price in next 24 months from Dec 2020 using Python; performed time series decomposition and exploratory analysis; built ARIMA and Holt Winters smoothing models

Financial Analytics Project on S&P500 and AMD

- Regression analysis on S&P500 and AMD between 2018 to 2019 using Python; conducted data transformation and exploratory analysis; built simple linear regression model to describe its relationship

Personal Portfolio Website

- Personal website to showcase my best self; created with ReactJS and Material UI and deployed using Heroku

## Achievements

COMP2022 Models of Computation, 1st place / 360+ students

Dec 2020

Google Case Competition, Finalist

Apr 2020

Accenture Technology Bootcamp, 1st place

Feb 2020

## Skills & Interests

**Skills:** Python, Java, C, Regression Analysis, Time Series Forecasting, Pandas Library, Microsoft Office

**Languages:** English (Native), Cantonese (Native), Mandarin (Intermediate)

**Interests:** Jazz piano, Basketball, Superhero movies