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| Alicia Ngoc Diep  Ha | 0411044456  alha4854@uni.sydney.edu.au  https://www.linkedin.com/in/alicia-ha-9b69a0117/ |

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|  | **Objective** |

A results-orientated 5th year Medical Science/IT student and primary/high school tutor seeking professional experience in the IT sector. Experience with full-stack development web and mobile app development and specialization in Data Science. Seeking a position in software development or data analysis to support my strong statistical and technical background.

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|  | Education |

## B.A. Medical Science (Pharmacology) /Information Technology (Computer Science) | University of Sydney

### 2016 – 2020

* Peer mentor for 1st year undergraduates (02/18-07/18)

## High school student | Willoughby Girl’s High School

### 2009 – 2015

* 2015 = Achieved Silver Merit of Academic Excellence

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|  | Experience |

## Summer Intern | Garvan Institute of Medical Research

### DEC 2019 – FEB 2020

* Full stack development of a Website and API to link Clinical Trials to Cancer Patients
* Created thorough documentation on key structures and website components
* Created various data conversion and manipulation scripts using Python

## Mathematics and Science Tutor | Rose Bay Learning Centre

### Mar 2019 – Jan 2021

* Review class material with the students and provide feedback and guidance
* Coordinated online lessons through Zoom and taught face-to-face
* Tutored Science and Mathematics from Years 5 - 12
* Communicate students’ progress to parents and teachers

## Freelance transcriptionist | Rev

### May 2019 – Present

## Transcribe audio and video clips based on the company’s set style guide

## Meet Rev’s metric standards by completing projects at a high accuracy and punctuality

## My metrics: Accuracy = 4.5/5.0, Formatting = 4.83/5.0, On-time% = 100%, Commitment ratio = 10.0

## Private Home tutor | EzyMath Tutoring Pty Ltd. /Self-employed

### Jan 2017 – PResent

* Create worksheets and learning materials designed to suit that particular student
* Boosted student’s grades by 20% or more

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|  | Technical skills |

* **Programming languages**: Java, Python, C, C++, R, Processing, Arduino, Kotlin, Bash
* **Full-stack development**: Django REST framework, ReactJS, HTML, CSS, Ajax, Bootstrap, Spring MVC, Hibernate
* **Big Data analytics:** AWS, Hadoop, Spark (Scala, PySpark, SparkML, SparkSQL), Docker
* **Databases**: MySQL, SQLite, PostgreSQL, MongoDB, Neo4J
* **Deep learning**: Keras, TensorFlow, PyTorch, CNN, SVM
* **Methodologies**: Agile, Iterative Waterfall, XP
* **Version control**: GIT, Bitbucket
* **IDE**: Visual Studio Code, Arduino, Atom, QTCreator, Eclipse, Android Studio

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|  | Projects |

**Website and API for linking Cancer Patients to Clinical Trials** (2020)

* **About**: A website for clinicians to record and process the most suitable clinical trials for cancer patients across Australia
* **Technologies used**:
  + Frontend**:** ReactJS, Ajax,CSS, Bootstrap, SortableJS
  + Backend**:** Django REST framework, MySQL database
  + Scripts: Python, JSN, XML, pandas
* **Responsibilities**:
  + Created webpages to display clinical trial information from ANZCTR and NZCT
  + Made python scripts to convert and extract data to upload into MySQL backend
  + Used SortableJS library for dynamic ranking of clinical trials for patients

**Measuring Air Quality – High Distinction (PCOL3021)** (2019)

* **About**: Individual project on a topic of choice. Based on effects of air quality of different public modes of public transportation
* **Technologies used**: Adafruit Air Quality Sensor, Arduino UNO board, Arduino IDE. Excel
* **Responsibilities**:
  + Processed data via Arduino IDE and fed into Excel Data Streamer
  + Used statistical analysis to compare factors affecting air quality
  + Translated the findings into a scientific report and achieved HD

**Interactive Educational Platform – High distinction (INFO3600)** (2019)

* **About**: A platform to allocate personalized educational products for registered schools
* **Technologies used**:
  + Frontend**:** ReactJS**,** Bootstrap, CSS
  + Backend**:** Django REST framework, PostgreSQL
  + Other**:** FluidUI, Postman, Google Docs, Sheets and Excel
* **Responsibilities**:
  + Adopted XP methodology, was team manager – maintained constant communication between team and client
  + Made wireframe, ER diagrams, demo videos and presented final product to client
  + Coordinated client and team meetings, documentation, use cases and user manuals
  + Achieved HD for Advanced Major Development Project (INFO3600)

**My Learn Recollect Mobile App** (2021)

* **About**: Mobile application used to aid those with special needs to consistently assign tasks for them to complete to aid their memory and learning.
* **Technologies used**: Kotlin, Android Studio, Firebase, Axure XP
* **Responsibilities**:
  + Responsible for front-end and backend
  + Made documentation and wireframing for the application
  + Used firebase for their authentication, cloud storage and analytics features

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|  | Activities/volunteering |

* Has a valid Working with Children Check (WWCC)
* Substitute teacher for Mathematics and Science at North Shore Coaching (23/11/19)
* Software tester at Displayr (27/02/19)
* Peer mentor at the University of Sydney (28/2/18 – 1/7/18)

References available upon request

My website: <https://aliciaha1997-webdev.zeet.app/>

Github: <https://github.com/aliciaha1997>