DANIEL BOZINOVSKI

COMPUTER SCIENCE STUDENT

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PROFILE

An eager engineer and adventurer, looking for new and exciting opportunities to learn and grow through love for Programming and Machine Learning. Striving to uplift and motivate others.

SKILLS

- Strong background in **Object Oriented Programming,** especially in **Python** and **Javascript**
- **HTML5**, **CSS3**
- **React JS, Redux**
- **Node JS**
- **SQL, Firebase** and Databases
- **Amazon Web Services (AWS)**
- **Machine Learning**
- **NumPy, Pandas, TensorFlow**

CERTIFICATION(S)

COMMONWEALTH BANK | 2020
Virtual Experience Program Participant with Forage

EXPERIENCE

FULL-STACK SOFTWARE ENGINEER INTERN
SUCCESS TUTORING | JUN 2020 - MAY 2021

- Worked with an agile team to build a **Kiosk Software Application** (made with **React**, **Node JS**, **Javascript**) to allow customers & students to **book tutoring lessons** and **make payments for lessons through Stripe's API**
- The Kiosk is currently being **used by 100's of tutoring customers** across Sydney's Inner-west
- Aided in building a CMS/**Tutoring Portal** with a custom built timetable for Students, Staff, Franchisees and Customers to be able to **book lessons/make payments online** with their own account (Using **AWS** & **React**)
- Created the **Front-end of a Phone Application** to allow tutors to open centre doors from their phone (**Made with React Native**)

PROJECTS

PNEUMONIA IMAGE CLASSIFICATION
TEAM PROJECT

- Lead a team of 2 at classifying whether a patient has Pneumonia based on their Dicom Medical images
- Utilised standard models on extracted image features including Logistic Regression, k-Nearest Neighbours, SVM, Random Forests, Boosted Classifiers, etc
- Tested an ensemble of Deep Learning models including Fully-connected NNs, Convolutional NNs and MobileNet w/Transfer Learning
- Utilised RandomGridSearch to find all optimal hyper-parameters in conjunction with K-Fold Cross Validation

PATH FINDING & SORTING, ALGORITHM VISUALISER
PERSONAL PROJECT

- Built a **React JS** App for visualising Path Finding & Sorting Algorithms, including **Dijkstra's** and **A***.
- Sorting Algorithms implemented included **Merge-sort**, **Quick-sort**, **Bubble-sort** and **Selection sort**

VOYIT, HOLIDAY PLANNING APP
TEAM PROJECT

- **Lead a team of 5** in creating a Holiday planning Web application, that allows users to **create an Itinerary** for their Trip, utilising **TripAdvisors API** to API calls
- Uses **React JS**, **Redux**, **Material UI**, **Express & Node Js**

EDUCATION

BACHELOR OF COMPUTER SCIENCE (DISTINCTION)
UNIVERSITY OF NEW SOUTH WALES | FEB 2019 - DEC 2021