

UZAIF SHEIKH

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EDUCATION

University of New South Wales (UNSW)

Final year student – Bachelor of Computer Science.

Feb 2020 – Present

Graduating Dec, 2022

- Weighted Average Mark: 77.314 (Distinction).
- UNSW Dean's Honours List
- Future of Change Scholarship
- Relevant Courses:
 - Algorithms and Programming Techniques
 - Operating Systems
 - Computer Networks and Applications
 - Web Application Security and Testing
 - Software Architecture for Blockchain Applications
 - Neural Networks and Deep Learning

PERSONAL PROJECTS

Circles – circles.csesoc.app

source code

- Developed frontend with React, JavaScript, Ant Design and React Redux for state management.
- Implemented a content management API with FastAPI, Python and MongoDB.
- Dockerised and deployed the application to UNSW servers with Kubernetes.

Sudoku Solver – uzaif.github.io/sudoksolver

source code

- Designed and developed a Sudoku solving algorithm in C++ which uses stochastic search to solve all 19,000 sample Sudoku problems in under 1 second.
- Built into a single page web app using Vanilla JavaScript, HTML and CSS.

Frakie The Fox – itch.io/frakie-the-fox

source code

- A survival game, developed with C# on Unity. It is deployed on itch.io.
- The game was produced during a 2-day Game Jam organised by UNSWGameDev society.

Simpson Characters Classifier

contact for the code

- Designed a image classifier using Convolutional neural network with ReLu activation, CrossEntropyLoss as loss function and Adam for the optimizer to classify Simpson character.
- Implemented the neural network with Pytorch, trained on a GTX1650 GPU with a network accuracy of 98%.

EXPERIENCE

Computer Science & Engineering Society (CSEsoc)

Jan 2022 – Present

Project Sub-Committee

- Worked in a team of 6 in building an degree planner for UNSW students aiming to provide a easier way to plan when to take their courses and explore potential courses available and review their degree progression.
- Facilitated the use of Jira to maintain project tickets.
- Involved code review, and pull request review.

Open Source Work and MLH Hackathon

Aug 2020 – Present

Contributor

- I am heavily involved in open source contribution, love learning from open source communities and give back the same.
- Designed a web app to help people who have been adversely affected by natural disasters.
- Providing valuable survival suggestions. The AI built-in it analyzes questions and provides suggested solutions based on it.

SKILLS

- Proficient: C/C++, JavaScript, Java, Python, C#, React, ExpressJS, Flask, Postgresql
- Familiar: Bash, AWS, Docker, MongoDB, Javafx, JUnit, Continuous Integration, Agile, Git