ELLIOT KOH

Adelaide, SA, Australia

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Passionate about harnessing technology for social good, I aim to blend my software engineering expertise with creativity to develop innovative solutions that inspire change and empower communities.

EDUCATION

Bachelor of Computer Science (Advanced), The University of Adelaide   *Expected Graduation 2025*

- **Relevant Coursework:** Algorithm Design & Data Structures, Object-Oriented Programming, Systems Programming, Computer Systems, Web & Database Computing, Cybersecurity Fundamentals, Advanced Topics in Computer Science

WORK EXPERIENCE

Associate Software Engineer – Altitutor   *Mar 2023 – Present*

- Spearheaded backend system development (HTML, CSS, JavaScript), enhancing data efficiency and accessibility.
- Led the creation of interactive e-learning tools and a mobile application, leveraging React for front-end development and Python for backend processes, boosting educational engagement.

Co-Creator & Content Developer – CodeKage   *Dec 2023 – Present*

- Co-founded and grew CodeKage into a leading coding platform with 500,000+ impressions, using HTML, React, and TailwindCSS for engaging tutorial design.
- Boosted online audience engagement and education through strategic content creation (C++, JavaScript) and social media optimisation.
- Executed strategic social media and content optimisation, significantly boosting engagement and fostering high-quality, tech-focused community interaction.

Student Work Experience – Australian Institute for Machine Learning (AIML)   *Jun 2021 – Jul 2021*

- Collaborated on a Python-based project under Dr. Latif's mentorship, developing a solution to a complex problem, demonstrating coding proficiency and problem-solving skills.
- Gained insight into AI and machine learning applications, solidifying my passion for Computer Science and driving my ambition to innovate in software engineering and high-frequency trading (HFT) sectors.

PROJECTS

Altitutor UCAT Program Development   *Apr 2023 – Present*

- Led a team in designing and implementing innovative features for an online UCAT training program, utilising tkinter for Python to develop a user-friendly GUI that enables non-programmers to easily process documents into CSVs, thereby enhancing test preparation (Python, CSV, React).

Autoencoder-Based Writer Identification   *Aug 2023 – Dec 2023*

- Developed an advanced writer identification system using autoencoders, significantly improving the accuracy of handwriting analysis by integrating deep learning techniques (Python, TensorFlow, Keras).

COMMUNITY INVOLVEMENT

President – University of Adelaide Mechanical Keyboard Club   *Jul 2022 – Present*

- Grew club membership by organising community events and workshops, demonstrating leadership and community engagement.

Community Member – Ravi's Study Program   *Nov 2023 – Present*

- Attended a summer coding bootcamp. Engaged in peer-to-peer learning, contributing to an improvement in coding skills among participants. Showcased strong communication and mentorship abilities.

TECHNICAL SKILLS

Proficient   C++, Python (Pandas, PyTorch, TensorFlow, Keras), Java, JavaScript, React, SQL