

Andrew Huynh

Software Engineer | Full Stack Developer

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PROFESSIONAL SUMMARY

As a **full-stack developer**, I have practical experience working with technologies like **React, Node.js, Python, and ASP.NET Core**. I focus on building robust, scalable software solutions that meet both technical and user requirements. My ability to collaborate effectively with teams and contribute to complex projects allows me to deliver high-impact results. Always seeking to expand my skills, I am motivated by opportunities to solve challenging problems and enhance my capabilities in software engineering and development.

EXPERIENCE

[Arcana Construct Pty Ltd](#) -Adelaide, SA

AI Researcher | Industry-Linked Project

March 2024 – June 2024

- Developed an AI-based tool using Python that automated table extraction from large PDF files, achieving an 80% accuracy rate and reducing manual work time by 40%.
- Automated the recognition of two table types from warehouse blueprints using the YOLOv8 model and PDF libraries.
- Managed tasks and project timelines using Jira, following Agile methodologies to ensure efficient collaboration and timely delivery.
- Created detailed documentation for user guidelines and tool evaluation.
- Collaborated with cross-functional teams to ensure the solution met client requirements and business objectives.

SKILLS

Programming Languages: JavaScript, Java, Python, C#, C++, HTML, SQL.

Frameworks and Tools: React.js, Node.js, Express.js, ASP .NET / .NET Core, Version Control (Git, SVN), Docker.

Database and Cloud: MySQL, PostgreSQL, SQLite, MongoDB, AWS (Lambda, S3, EC2, CloudFront).

Soft Skills: Communication, Analytical and Problem-Solving, Attention to Detail, Team Player, Innovative.

EDUCATION

University of South Australia -Adelaide, SA

Bachelor of Information Technology (Software Development)

Feb 2022 – Present

- Developed a solid foundation in understanding computer systems, algorithms, and software project cycles.
- Global Citizen Scholarship.

PERSONAL PROJECTS

[Road Safety SA](#)

Sep 2024 – Oct 2024

• A web application that visualizes crash and expiation data in South Australia, utilizing ASP.NET Core MVC, ArcGIS API, D3.js, Bootstrap, and SQL Server to create dynamic maps, interactive dashboards, and insights that raise road safety awareness and support decision-making. Key features include crash data mapping, traffic offense and fine statistics, search functionalities, and user-friendly data visualizations.

[AI Information Extraction Tool](#)

Mar 2024 - Jun 2024

• An AI-based tool using Python, pdfplumber, YOLOv8 that automated table extraction from blueprint designs, improving accuracy and efficiency in analyzing complex plans.

[Reservation Website](#)

Jun 2023 - Sep 2023

• Collaborated with four Unisa students to develop a full-stack restaurant reservation system using React.js, Express.js

Node.js, SQL Lite, and JavaScript. The system features seamless reservation booking, user authentication, and account management functionalities, allowing customers to create, view, and manage their bookings.

REFERENCE

James Lyle Kerr

Director of Arcana Construct Pty Ltd

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To whom it may concern,

I am writing to implore the efforts shown by Hai Chanh Huynh (Andrew), in his final project of his UniSA IT degree.

Andrew showed great determination and stuck to the difficult task we required of him. He worked on an automated model for extracting information from engineering drawings. He performed this task well and successfully completed the component require of him.

Andrew is soft spoken but very knowledgeable, and I hope this letter aids him in securing the position he aspires to by speaking volumes of his ability where Andrew may not sell himself.

Sincerely,

Arcana Construct Pty Ltd

A handwritten signature in dark ink, appearing to read "JL Kerr", with a long, sweeping horizontal stroke extending to the right.

James Lyle Kerr
Director