

Lucas Su

lijie.su93@gmail.com | Adelaide SA | 0466 351 350 | lucassu.vercel.app | <https://lucassul.github.io/my-personal-website/> | [linkedin.com/in/lucassudev/](https://www.linkedin.com/in/lucassudev/)

PERSONAL STATEMENT

I am a recent graduate with a Master of Computing and Innovation from the University of Adelaide with full working rights. I am experienced in full stack development, particularly in data analysis, front-end development and graphic design. Before transitioning into the tech industry, I completed my Bachelor's degree in Urban Planning and worked for six years at a world-renowned design company, including two years as a project manager.

I pride myself on my strong analytical thinking and problem-solving skills. My diverse background and skill set enable me to approach problems from multiple perspectives and deliver high-quality solutions. I aim to utilize digital technology to provide a richer, healthier, smarter lifestyle for community and generations to come.

EDUCATION

Master of Computing and Innovation | University of Adelaide, SA

July 2022 - July 2024

GPA: 6.44, WAM: 87.5

- Awarded 30% Global Citizen Scholarship (highest standard). Team-lead in multiple course-based projects.
- Highlighted courses: Artificial Intelligence, Mining Big Data, Algorithms and Data Structure Analysis, Specialised Programming (puzzle-solving), Operation System, Computer Networks & Applications.

B. Engineering in Urban Planning | Beijing University of Civil Engineering and Architecture, Beijing China

September 2011 - July 2016

WAM: 86

- Achievements: TOTO Environmental Fund Winner, Cadre of Youth Volunteer Association Member, Committee Member in Charge of Studies, Excellence Award for Beijing Historic District Research 2013, Team lead in multiple study and research projects.

KEY SKILLS

- **Front End Development:** Proficient in Java, Python, HTML, JavaScript, CSS. Skilled in Node.js, Express.js, MongoDB, PostgreSQL, and MySQL. Capable of building RESTful APIs and conducting testing. Experienced in developing user-friendly, responsive, and visually appealing SaaS applications using Next.js (or Vite), TypeScript, Shadcn, Headless UI, Tailwind, and Bootstrap alongside technologies like Stripe and Clerk. Proficient in CI/CD with Vercel/GitHub Actions & Pages. Skilled in Agile team collaboration and version control using Git and Bitbucket.
- **Data Analysis:** Proficient in Anaconda and Jupyter Notebook. Adept at utilising NumPy, pandas, and seaborn for data filtering, analysis, and visualisation to extract actionable insights from large datasets. Experienced in conducting predictive data analysis with the scikit-learn library.
- **Graphic Design (UX/UI):** Proficient in Figma, Adobe Suite (PS, AI, ID) for creating informative and beautiful analysis diagrams and layouts. Skilful in Canva, PowerPoint, and Markdown for high-quality report design.
- **Urban Design & Consulting:** Collaborated with construction contractors, real estate developers, and governments to develop high-quality master plans and urban designs focusing on terrain, tourism planning and transportation. Skilled in creating engineering drawings using AutoCAD. Experienced in creating detailed 3D digital models in SketchUp and rendering in Lumion with detailed parameter settings and environment design.

PROJECTS

AI Form Builder | Next.JS, Google Gemini API, Tailwind, PostgreSQL | <https://ai-form-builder-lucassu.vercel.app>

- Developed a website utilizing the Google Gemini API to dynamically generate forms based on user input. Enabled users to create tailored forms, share them with target audiences, and seamlessly export responses directly from a user-friendly dashboard.

CaseCobra | Next.JS, Tailwind, TypeScript, MongoDB, Stripe | <https://casecobra-lucassu.vercel.app>

- Developed a shopping site integrating Stripe, designed for customers to customize their phone cases by uploading images and choosing from various colours and materials. Merchants can view sales data in the dashboard.

Energy Consumption Forecasting | pandas, numpy, seaborn, tensorflow

- Developed a forecasting model to predict energy consumption based on existing time-series data. Utilized pandas for data manipulation and preprocessing, numpy for numerical operations, and seaborn for data visualization. Implemented a deep learning model using TensorFlow to predict future energy consumption trends. Optimized the model for accuracy and performance by fine-tuning hyperparameters and evaluating various algorithms.

Shortest Path Algorithm for ATSYS Material Transportation | Java, MySQL

- Developed a Java-based application integrated with MySQL to calculate optimal shortest paths for material transportation within an engineering company. Implemented advanced algorithms to handle multiple path calculations, improving efficiency in logistics and reducing transportation costs. Designed the system to manage dynamic changes in routes and material demands, ensuring flexibility and scalability for the company's operations.

WORK EXPERIENCE

SaaS Application Developer Intern | Solutions to Success, Adelaide, SA

July 2024 – current

- Design, develop, and customize Zoho applications to align with client requirements, using a variety of Zoho tools and technologies across all Zoho's suite of products. Collaborate with clients to understand their business processes, objectives, and pain points, and provide expert guidance on how Zoho solutions can address their needs.

Self-Employed | TableSpot, Adelaide, SA

May 2024 – current

- Developed a web application for Mr. Panda Kitchen, a local restaurant, to streamline their booking and table management system. Designed a user-friendly interface enabling managers to efficiently manage booking data and customer interactions.

Urban Planner/Project Manager | Atkins (now AtkinsRéalis), Beijing office, APAC

July 2016 – July 2022

- Participated in over 20 top-level urban development projects, managing three as Project Manager, including one with a profit margin of 45%, the highest of the year. Led and delivered a headquarters planning and consulting project for a Global Fortune 500 insurance company, earning the client's praise.

Project Planner Intern | Atkins (now AtkinsRéalis), Beijing office, APAC

November 2015 – February 2016

- Responsible for urban planning technical tasks for a new industry campus planning and consulting project, ultimately surpassing competitors from Surbana Jurong Group and Boston Consulting Group (BCG).

VOLUNTEER EXPERIENCE

Graphic Designer Volunteer | Don Dunstan Foundation, SA

March 2024 – May 2024

- Collaborated with the Don Dunstan Foundation to fully organize, compile, and format the 2023 Annual Report. Worked closely with clients to understand and translate design requirements into creative and impactful solutions.

REFERENCES

Formal letter available upon request.

Matthias Bauer, Technical Director at Jacobs, Former Technical Director at Atkins.

Urban Design & Planning Expert; LEED AP ND, ISOCARP

LinkedIn: <https://www.linkedin.com/in/bauermatthiasurbandesign/>

Dr Bill C. Huang, Vice President at T.Y. Lin International, Former Director at Atkins.

PhD, CEng, MCIOB, MEng, MBCS, CITP.

LinkedIn: <https://www.linkedin.com/in/billconghuang/>