

Lucas Su

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https://lucassul.github.io/my-personal-website/](https://lucassul.github.io/my-personal-website/)

PERSONAL STATEMENT

Prospective graduate in Master of Computing and Innovation with high academic accolades expected to graduate in mid-2024. Before postgraduate study I have over six years of experience within urban development & consultancy field, with a notable two-year tenure as Project Manager.

Passionate about leveraging technology to empower traditional businesses and enhance daily life. With background in software development and design & consultancy field, I aim to offer a distinctive blend of skills driven by curiosity, rapid learning, and a steadfast commitment to making a positive impact on humanity.

KEY SKILLS

- **Front-End Development:** Proficient in HTML, JavaScript, CSS, and basic knowledge like AJAX, DOM, and jQuery. With expertise in utilizing MVVM framework React for development, and UI frameworks such as Bootstrap to construct high-quality, responsive applications. Experience with Vite/Next for efficient development and configuration, along with GitHub Pages/Vercel for deployment.
- **Back-End Development:** Skilled in Node.js, Express.js, PostgreSQL and MySQL, with familiarity in open-source platforms like Supabase for rapid implementation of CRUD operations, user management and security policies. Capable of building RESTful APIs and conducting testing using Postman.
- **Data Analysis:** Numerically sensitive with hands-on experience in leveraging NumPy, pandas, and seaborn for data filtering, analysis, and visualization. Skilled in conducting predictive data analysis using scikit-learn.
- **Agile Development & Version Control:** Recognise Agile development and Scrum methodologies. Experienced in leveraging Git and GitHub for collaboration and version control.
- **Urban Planning & Consulting:** Thoroughly understand the requirements of the first party, and based on the terrain conditions of the site and local laws and regulations, develop high-quality land-use planning, including format layouts, business types selection, and implementation plans.
- **Engineering Drawing & Modelling:** Deeply recognise the value of BIM. Proficient in creating engineering-style diagrams using AutoCAD within urban design & planning scenarios. Creating detailed 3D digital models in SketchUp and rendering in Lumion with detailed environment design.
- **Graphic Design & Report Writing:** Skilled in Photoshop, Illustrator and InDesign for content layout and the creation of informative and beautiful analysis diagrams. Proficient in Canva, PowerPoint, and Markdown for high-quality presentation design and archive documents.
- **Language:** PTE (90/90), NAATI CCL. Mandarin - Native

WEB-DEV PROJECTS

Personal Website | React CRA Bootstrap | <https://lucassul.github.io/my-personal-website>

- A fully-responsive single page website using React and Bootstrap. Manually implemented various animation hooks to enhance user engagement.

Translation-Sharing Platform | React Vite Node PostgreSQL | <https://lucassul.github.io/ai-lexicon-community>

- A collaborative platform where users can view, filter, post, and vote on AI term translations. Utilized state-controlled form submission functionality to collect user input for data management and analysis.

WORK EXPERIENCE

Urban Planner / Project Manager | Atkins, Asia Pacific

July 2016 - July 2022

- Participated in over 20 top-level complex urban development projects, managing three as Project Manager. One of my projects achieved the highest profit margin of year, reaching an impressive 45%.
- As the youngest Project Manager in office, led and delivered a headquarters planning and consulting project for a Global 500 insurance company and gained reputation from client.
- Introduced innovative intelligent algorithm assistance within modelling software, doubling the speed of the decision-making process for design modifications.
- Collaborated across various departments, including the architecture team, water environment specialist, and industry consulting team, to address complex issues and deliver optimal outcomes to clients.
- Mentored 3 interns to facilitate their adaptation to the working environment, resulting in 2 successfully transitioning to formal employment.
- Compiled and delivered compelling presentation reports, saving time and costs by avoiding third-party contracts and potentially increasing total margins by 10%.
- Maintained daily client communication, ensuring seamless alignment of design requirements and project timelines. Writing bid proposals for prospective projects and clients.

Project Planner Intern | Atkins Asia Pacific

November 2015 - February 2016

- Responsible for urban planning technical tasks within an industry planning consulting project which ultimately triumphed over competitors from Surbana Jurong Group and Boston Consulting Group (BCG).

VOLUNTEER EXPERIENCE

Graphic Designer Volunteer | Don Dunstan Foundation, SA

March 2024 - Present

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

EDUCATION

Master of Computing and Innovation | University of Adelaide

July 2022 - July 2024

GPA: 6.5/7.0 (WAM: 87/100), GPA for all computer science-related courses: 6.75 (WAM: 91)

- 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, Operation System, Computer Networks & Applications, Specialised Programming (puzzle-solving)

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

September 2011 - July 2016

Grade: 86/100

- A solid 5-year program, where I achieved: TOTO Environmental Fund Winner, Cadre of Youth Volunteer Association, Member of committee in charge of studies, Excellence Award for Beijing Historic District Research 2013, Team lead in multiple study and research projects.

REFEREES (LINKEDIN)

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

Urban Design & Planning Expert; LEED AP ND, ISOCARP.

<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.

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