# Lucas Su

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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 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, and CSS, with expertise in utilizing framework like React and 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.
- **Agile Development:** Recognise Agile development and Scrum methodologies.
- **Version Control**: Experienced in leveraging Git and GitHub for collaboration and version control.
- **Engineering Drawing**: Proficient in creating engineering-style diagrams using AutoCAD.
- **Modelling & Rendering**: Created detailed 3D digital models in SketchUp and rendered with V-Ray/Lumion.
- **Graphic Design & Report Writing**: Skilled in Photoshop, Illustrator and InDesign for content layout and the creation of high-quality analysis diagrams. Proficient in Canva, PowerPoint, and Markdown for high-quality presentation design and software documents.

## WEB PROJECTS

**Personal Website |** React CRA Bootstrap | https://lucassul.github.io/my-personal-website.
December 2023
- Developed a responsive website using React and Bootstrap. Manually implemented various animation hooks to enhance user engagement.

**Facts-Sharing Website |** React Vite Node PostgreSQL | https://lucassul.github.io/today-i-learned/
February 2024
- A published website where users can view, filter, post, and vote on facts. Utilized state-controlled form submission functionality to collect user input for data management and analysis. Data is stored, filtered, and sorted in Supabase.

## 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 highest profit margin of year, reaching an impressive 45%.
- As youngest Project Manager in office, led and delivered a headquarter 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 varies departments, including architecture team, water environment specialist, 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 team 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 related courses: 6.75 (WAM: 91)
- 30% Global Citizen Scholarship (highest standard). Team lead for multiple courses.
- Highlighted courses: Operation System, Computer Networks & Applications, Artificial Intelligence, Mining Big Data, Specialised Programming, Algorithms and Data Structure Analysis.

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

September 2011 - July 2016

Grade: 86/100

- 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 for multiple study and research projects.

## REFEREES

**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.
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