

# Karen Deng

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## SUMMARY

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Pursuing a Bachelor of Science (Computing and Software Systems) at The University of Melbourne, I bring experience in developing AI-powered tools, modern Python development, and building modular, secure systems using best practices. I have contributed to real-world projects through consulting and student organisations, combining technical skills with teamwork, communication, and a drive to deliver solutions with positive impact.

## TECHNICAL SKILLS

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- Languages: Python, Typescript, Javascript, Java, C, SQL, HTML, CSS
- Concepts: Full stack development, Dynamic Programming, Agentic Architecture, Cloud Engineering

## RELEVANT PROJECT WORK

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### Python Developer

Jul, 2025 - Present

AI DSCubed Winter Program - University of Melbourne, Melbourne, Australia

- Built an AI-powered, modular command-line assistant, integrating OpenAI's GPT-4o-mini with secure .env configuration, async function calling, and a dynamic tool system using modern Python best practices
- Automated the onboarding workflow for new members by developing tools to streamline account set-up, access permissions, and resource allocation, improving operational efficiency for the DSCubed program.

## EXPERIENCE

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### Project Consultant

Feb, 2025 - Present

180 Degrees Consulting - University of Melbourne, Melbourne, Australia

- Delivered a 12-week project for Creative Climate, designing a comprehensive impact evaluation framework to assess effectiveness of climate initiatives in the arts and climate sector
- Collaborated in a team of 5 consultants, contributing to weekly deliverables and a final 30+ page strategy report detailing evaluation methodologies, key performance indicators, and data collection strategies
- Conducted stakeholder interviews and analysed 3 direct competitor frameworks to identify key opportunities and gaps
- Engaged in 6+ internal training workshops on consulting frameworks and communication, strengthening problem-solving and stakeholder management skills

### Events Officer

Feb, 2025 - Present

AIIESEC in Melbourne, Melbourne, Australia

- Managed logistics for events with up to 100 attendees, including venue set-up, budgeting, and scheduling, to optimise attendance
- Organised major flagship event, resulting in engagement from 6+ cultural clubs and societies
- Collaborated cross-functionally with the Marketing and Business Development teams to promote events, increasing social media reach by 40% and boosting attendance
- Led outreach to 10+ industry professionals to contribute to event programming, strengthening event content and professional relevance

## EDUCATION

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### Bachelor of Science in Computing and Software Systems

Mar, 2024 - Oct, 2026

The University of Melbourne

- WAM: 80
- Relevant Coursework: Database Systems, Foundations of Algorithms, Foundations of Computing

### High School Diploma

Feb, 2018 - Nov, 2023

St Catherine's School, Toorak

- ATAR: 99.30