

Kangrong Deng

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EDUCATION

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| • Yichun University
<i>Bachelor's Degree in Communication Engineering</i> | Yichun, China
September 2020 - July 2024 |
| • China Jiliang University
<i>Master's Degree in Information and Communication Engineering</i> | Hangzhou, China
September 2024 - Expected July 2027 |

SKILLS

- **Programming Language**
C/C++, Python, Swift(App Development with Swift Certified User)

PROFESSIONAL EXPERIENCE

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| • Apple My Summer22
<i>As a programming instructor and providing free coding summer camps kids ages 6 - 12</i> | Zhanjiang, Guangdong, China
July,22 2022 - August,21 2022 |
| • She Codes AI Bootcamp
<i>As a lead instructor, providing free AI programming lessons for 15 high school girls.</i> | Shanghai, China
July 25, 2026 - July 27, 2026 |
| • Science and Creative Thinking Courses
<i>As an instructor, developing students' problem-solving and creative thinking skills.</i> | Qicheng School, Hangzhou, China
September 2025 - January 2026 |
| • AI Programming Course
<i>As a programming instructor, guiding students to create interactive websites using AI.</i> | Qiantang School, Hangzhou, China
September 2025 - January 2026 |
| • Hardware Programming Course
<i>As a programming instructor, teaching students to control hardware using Arduino.</i> | Nanyang Primary School, Hangzhou, China
March 2026 - June 2026 |
| • AI Design Course
<i>As an instructor, guiding students to create picture books using AI tools.</i> | Xuelin Primary School, Hangzhou, China
September 2026 - Present |

AWARDS

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| • National Scholarship / National Encouragement Scholarship | 2022/2021 |
| • Third Prize, China Graduate Mathematical Contest in Modeling | December 2025 |

PROJECTS

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| • Turtle —Environmental Education App | iOS, SwiftUI |
| • Feelody —Accessible Music Learning App | iOS, SwiftUI |

PUBLICATIONS

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| • Terahertz high-quality-factor topological corner-state cavity designed via policy-based reinforcement learning | First Author, SCI Q3 |
| • Controlling topological phases of high-frequency bandgap in configurable terahertz photonic topological insulators | Third Author, SCI Q2 |
| • Topological Phase Transition by Tuning Central Unit in C3 Symmetric Lattice of Terahertz Photonic Crystals | Second Author, SCI Q3 |