

Lily Qin

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Education

Carnegie Mellon University, Pittsburgh, PA

May 2028

Bachelor of Science, Information Systems

3.8/4.0

- **Coursework:** Principles of Imperative Computation, Concepts of Mathematics, Calculus in 3D
 - **Activities:** Society of Women Engineers (*Freshman Events Co-Chair*), Girls Who Code (*Activities Committee*), ScottyLabs Labrador (*Design Committee*), The Triple Helix (*Graphic Designer*), Delta Delta Delta
 - **Awards:** Fall 2024 Dean's List with High Honors
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Projects

PixelStitch

October 2024 - December 2024

- Created Python application to generate corner-to-corner crochet patterns featuring adjustable pixelation size, color selection tools, and random image generator
- Enhanced algorithm efficiency and user experience through iterative design

Public Trust in the Use of AI in Healthcare

September 2024 - December 2024

- Conducted scoping review, collaboratively screened 1000+ articles and analyzed 50+ articles
- Synthesized findings into actionable insights and visualized results

Financial Data Model

June 2023

- Developed AI model using Python, NumPy, and Pandas to predict stock prices based on sentiment analysis (Google BERT) of Twitter data
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Work Experience

Galileo Learning, Summer Operations Intern

June 2024 - July 2024

- Identified areas for teaching support & provided appropriate services to 100+ campers and 15+ staff
- Communicated check-in information with parents to get campers checked in within an hour

SparkPrintz, Sales and Marketing Intern

March 2024 - May 2024

- Conducted market research and analysis to identify trends and opportunities for business growth
- Managed client communication and contributed to project timelines, completed 2 orders in 4 weeks

Mr. Green Bubble, Kitchen Staff

January 2024 - April 2024

- Maximized time efficiency in fast-paced environment by multitasking, communicating with other kitchen staff, proactively preparing ingredients in advance, cleaning during off-peak periods
 - Memorized 15+ recipes with 3+ variations to maintain customer satisfaction
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Leadership

PyQuest, Co-Founder

April 2023 - February 2024

- Established 2 5-day library-sponsored Python camps to encourage kids to pursue computer science
- Developed interactive projects to help students apply concepts and guided 20+ in debugging errors

Charitable Crochet, Co-Founder

October 2021 - August 2024

- Manage emails and website for organization offering crochet classes, reached 100+ students across 17 free classes and expanded programs to 9 county libraries through pitch emails
 - Designed and implemented personalized lesson plans to introduce beginners to crochet, resulted in students starting businesses of their own
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Skills

Languages: Python, Java, HTML, CSS

Design: Figma, Web Design, Graphic Design, Video Creation, Journalism