

Lily Qin

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Education

Carnegie Mellon University, Pittsburgh, PA

May 2028

Bachelor of Science, Information Systems

3.8/4.0

- **Coursework:** Concepts of Mathematics, Calculus in 3D, Fundamentals of Programming and Computer Science
 - **Activities:** SWE (*Freshman-Focused Events Chair*), Girls Who Code (*Activities Committee*), Scottylabs Labrador (*Design Committee*), The Triple Helix (*Graphic Designer*), Apex Buggy (*Social Chair*), Delta Delta Delta
 - **Awards:** Fall 2024 Dean's List with High Honors
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Project Experience

Workplace Surveillance Tracker

January 2025 - Present

- Conduct literature review and content analysis of texts related to workplace surveillance and resistance tactics
- Develop low and high-fidelity prototypes of core tracker features

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

CMU CS Academy, *Teacher Support and Outreach Assistant*

January 2025 - Present

- Review CPCS exams for question and content clarity, answer teacher support tickets

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
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Leadership Experience

CMU Society of Women Engineers, *Freshman-Focused Events Chair*

September 2024 - Present

- Manage logistics and budget of monthly events including info sessions and various craft activities

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 and calls
 - Designed and implemented personalized lesson plans to introduce beginners to crochet, resulted in students starting businesses of their own
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Skills

Programming: Python, Java, HTML, CSS

UX/UI Design: Figma, Canva, Wireframing, Prototyping, Web Design, Graphic Design, Video Creation, User Research