

# Liipepei Sun

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## Skills and Qualifications

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- **Programming Language:** Python, Java, C, C++, HTML, CSS, and JavaScript.
- **Programming Tools:** Git, Matplotlib, Jupyter Notebook, IntelliJ IDEA, CLion, VS Code.
- **Software Development:** Strong understanding of Object-Oriented Design, algorithms, and data structures.
- **Problem Solving:** Proven ability in identifying and solving complex problems with innovative solutions.
- **Communication:** Effective communicator, able to articulate complex ideas clearly. Experienced in collaborating effectively as part of a team and working independently in a professional setting.
- **Adaptability:** Quick to learn new technologies and adapt to evolving project requirements.

## Education

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**Northeastern University** - Master of Science in Computer Science (GPA 4.0) – Expected May 2026

- Relevant Coursework: Object-Oriented Design, Data Structure, Algorithms, Discrete Structures

**University of Washington** - Master of Architecture (GPA 3.67), Bachelor of Arts in Architecture (GPA 3.66)

## Projects

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### Santa Cross the Street Game

- Designed and implemented a Python-based interactive game; showcased skills in GUI development and Object-Oriented Programming.
- Implemented robust error handling, unit testing, and efficient code organization.

### Building Façade Layouts and Optimization

- Applied discrete mathematics and Python programming, along with Matplotlib for visualization, to optimize building façade layouts for the University of Washington Health Sciences Education Building, prioritizing natural light and aesthetic appeal.

## Work Experience

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**Licensed Architect** - Miller Hull Partnership - Seattle (2015 – 2023)

- Collaborated with multidisciplinary teams, including engineers and designers, to develop and implement innovative design solutions.
- Led graphic, visualization, and production of construction documents. Delivered compelling design presentations, effectively communicating technical concepts to diverse stakeholders.

**Teaching Assistant** - University of Washington - Seattle (2014)

- Assisted with the implementation of design and graphic exercises.
- Mentored students in technical skills, including the use of design software.

## Certifications & Awards, and Volunteers

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- Registered Architect in Washington, LEED Green Associate Credential
- Multiple Awards for Architectural Design Excellence
- Volunteered with ACE Mentor Program, Food Lifeline, and Miller Hull Open Studio.