

JEREMIAH LIN

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EDUCATION

University of Illinois Urbana-Champaign
Bachelor of Science in Engineering Physics
Academic Honors: *Fall 2021 Dean's List*
Relevant Coursework:

Expected Graduation: May 2025
GPA: 3.81/4

- Basic Discrete Mathematics
- Linear Algebra with Computational Applications
- Differential Equations
- Data Structures
- University Physics: Quantum Physics
- Quantum Information and Quantum Computing

EXPERIENCE

Crimson Youth Entrepreneurship Society
Software Engineer

Urbana, IL
January 2022 – Sept 2022

- Designed and created website front-end with HTML and CSS for user satisfaction
- Developed Django back-end, creating framework for user and company aggregate data
- Taught Django, HTML, CSS, and Python to other colleagues

EXTRACURRICULARS

Illini EV Concept

Autonomous Software Project Lead

Urbana, IL
March 2022 – Present

- Developing lane detection software for autonomous electric vehicle, reducing computing power
- Researching and implementing machine learning with Pytorch to increase our algorithm efficiency
- Teaching Python, Machine Learning, and Computer Vision Detection to members

Business Project Lead

September 2021 – Present

- Collecting, managing, and analyzing 150+ member team's data of to optimize team efficiency and efforts
- Started and directing team outreach initiative to encourage engineering for middle-high schoolers
- Developing framework to measure and maximize individual engagement, facilitating organizational success

Illini Air Shuttle

CAD Designer Project Lead

Urbana, IL
Sept. 2021 – Sept 2022

- Leading CAD 3D modeling team to design and model airplane parts and assemblies in Solidworks
- Designing and testing vertical takeoff and landing (VTOL) airplane wings and fuselage with Fluent
- Formulating algorithm to calculate ideal plane wing placement, reducing wing tailwind interference
- Teaching Solidworks, OpenVSP, and Fluent Fluid Simulator to members

SKILLS

- Google Sheets (Advanced)
- Microsoft Excel (Advanced)
- Java (Intermediate)
- C++ (Intermediate)
- Python (Intermediate)
- Fluent Fluid Solver (Beginner)
- HTML/ CSS (Intermediate)
- Pytorch (Beginner)
- Django (Beginner)
- Solidworks (2020 CSWA Proficiency)
- English (Fluent)
- Mandarin (Con conversationally Fluent)

References available upon request