**Email** [maxluoxiii@gmail.com](mailto:maxluoxiii@gmail.com)  
**Phone** 630-432-3267Maxiwell Luo913 Ashford Lane  
Westmont, IL 60559

**EducationUniversity of Illinois at Urbana-Champaign**Bachelor of Science, Computer Science / Master of Computer Science  
GPA: 3.68/4.0

**Hinsdale Central High School**Valedictorian  
GPA: 5.93/5.0Urbana-Champaign, IL  
Graduation: May 2021

Hinsdale, IL  
August 2013 - May 2017

**Relevant Courses**Data Structures, Computer Architecture, Numerical Methods I, Applied Linear Algebra, System Programming, UI Design, Probability and Statistics, Algorithms & Models of Computation, Computer Security I, Communication Networks, Game Dev Process, Top Down Video Game Design, Algorithms (IP), Programming Languages and Compilers (IP), Interactive Computer Graphics (IP)

**Work ExperienceEagle Seven, Software Development Intern**Wrote software to calculate performance metrics on trade engines and upgraded the performance testing framework using InfluxDB and Grafana to improve automation, comparison, and real-time capabilities to drive future development of the trading engines.

**Fermilab, Application Development and Systems Analyst**Designed and developed a web app in Angular to interface with an instrument calibration database

**University of Illinois, Dining Services Team**Collaborated with full- and part-time workers to deliver a pleasing dining experience to students, staff, and visitors by assisting in food preparation and service

**Chess Tutor**Trained children to improve their chess skills and prepare them for more competitive levels of chess

**Fermilab, Software Intern**  
Using C, implemented and analyzed the effectiveness of data compression algorithms for use in collecting data during experimentsChicago, IL  
May 2019 ­– August 2019

Batavia, IL  
May 2018 – August 2018

Urbana-Champaign, IL  
August 2017 – December 2017

Woodridge, IL  
July – August 2016-2017

Batavia, IL  
June – July 2016

**ProjectsHackIllinois**Cooperated in a team to develop a drawing/messaging service modeled on the DS software PictoChat in Python.

**neuralMario**Implemented a NEAT algorithm to create an AI that could play Super Mario World Urbana-Champaign, IL  
February 2018

Hinsdale, IL  
May 2017

**ActivitiesUIUC SigPWNy**Collaborated with peers to identify and research vulnerabilities in various software systems

**Robotics Team**— Designed and built robots to compete in the FIRST Robotics Competition on team DevilStorm Robotics  
— Trained new members in fundamental programming techniquesUrbana-Champaign, IL  
2017 – Present

Hinsdale, IL  
2013 – 2017

**SkillsProficient in C/C++, Java, Python**

**Intermediate knowledge of Verilog, HTML/CSS, Javascript (Angular), InfluxDB, Grafana, Unity, Unreal Engine**

**Basic Rust, OCaml, x86 Assembly**

**Conversational Mandarin, basic French**