

# Lucas Huang

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## EDUCATION

### YALE UNIVERSITY

BS IN COMPUTER SCIENCE AND  
MATHEMATICS

Expected May 2025 | New Haven, CT  
Cum. GPA: 3.89 / 4.0  
Major GPA: 4.0 / 4.0

### COLUMBUS ACADEMY

Graduated cum laude  
May 2021 | Gahanna, OH  
GPA: 4.55/4.0  
National Merit Scholar (2021)  
National Cyber Scholar with Honors  
(2021)

## LINKS

LinkedIn:// [huangl16](#)  
Site:// [lucashua.ng](#)

## COURSEWORK

Data Structures • Discrete Math  
Linear Algebra • Real Analysis  
Systems Programming • Data Analysis  
Algorithms • Abstract Algebra  
Complex Analysis • Software Engineering  
Integration on Manifolds

## SKILLS

### PROGRAMMING

Proficient:

Java • Python • Javascript • Go •  $\text{\LaTeX}$

Experienced:

Racket • C • CSS

Familiar:

PHP • Assembly • Swift

### TECHNOLOGIES

Proficient:

Kali Linux • Google Suite • Git

Flask • Node.js • Socket.io

Experienced:

IDA • Ghidra • MongoDB

React • Pwntools • Splunk

Tanium • Magnet AXIOM

Familiar:

Docker

### LANGUAGES

Chinese • Spanish

## EXPERIENCE

### ROBLOX | SOFTWARE ENGINEER INTERN

May 2023 - Aug 2023 | San Mateo, CA

- Member of the Application Security team
- Automated vulnerability data triage and management using Tines
- Created a full-stack web application with React and Golang to help sync issues across Jira and other issue boards

### TRANSUNION | INFORMATION SECURITY INTERN

May 2022 - Jan 2023 | Chicago, IL

- Worked with the Digital Forensics and Incident Response (DFIR) team
- In full-time summer internship, searched and analyzed machines and event logs to identify and respond to security events and vulnerabilities using tools such as Splunk, Tanium, Magnet AXIOM, and Microsoft Defender for Endpoint
- Extended as part-time job during the school year automating triage of forensic data from KAPE and Magnet AXIOM into Splunk

### YALE COMPUTER SOCIETY | LEAD COURSE TABLE DEVELOPER

Oct 2021 - Present | New Haven, CT

- Lead a team to improve Yale's premier course info site with 6000+ users by fixing bugs and implementing new features using React, TypeScript, and Python
- Member of YCS Board, planning and organizing schoolwide YCS events to engage interest in coding and computer science

## ACTIVITIES

### YALE LILY LAB | UNDERGRADUATE RESEARCHER

Feb 2022 - Present | New Haven, CT

- Currently working on a project about linguistic problems and NLP
- Worked on FOLIO, an NLP project about natural language reasoning with first-order logic
- Assisted in the development of EHRKit, an NLP toolkit geared towards Electronic Health Records
- Trained and fine-tuned MarianNMT transformer models for machine translation, achieving a 32.4% improvement in translation accuracy

### DICEGANG | TEAM MEMBER

Apr 2021 - Present

- Rose to be the #1 ranked CTF (Capture the Flag cybersecurity competition) team in the U.S. by solving challenges in topics such as cryptography, web exploitation, quantum computing and machine learning
- Hack-a-Sat 2 Finalist, 3-time DEF CON CTF finalist (2021-2023)

## CERTIFICATIONS

Oct 2021    GIAC Foundational Cybersecurity Technologies (GFACT)

## PREPRINTS/PUBLICATIONS

- [1] Irene Li, Keen You, Xiangru Tang, Yujie Qiao, Lucas Huang, Chia-Chun Hsieh, Benjamin Rosand, Dragomir Radev, *EHRKit: A Python Natural Language Processing Toolkit for Electronic Health Record Texts* (2022), preprint arXiv:2204.06604.