Lucas Huang

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EDUCATION

YALE UNIVERSITY
BS in Computer Science and Mathematics • Certificate in Data Science
Expected May 2025 | New Haven, CT
Cum. GPA: 3.93 / 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

GitHub:// **Quintec**
LinkedIn:// **huangl16**

COURSEWORK

Data Structures • Discrete Math
Linear Algebra • Real Analysis
Systems Programming • Data Analysis
Machine Learning • Software Engineering
Complex Analysis • Abstract Algebra
Integration on Manifolds • Algorithms
OS • Quantum Computing

SKILLS

PROGRAMMING
Proficient:
Java • Python • Javascript • Go • LaTeX
Experienced:
Rust • Racket • C • C++
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 2024 - Aug 2024 | San Mateo, CA
- Automating WAF onboarding process to secure a larger range of services by connecting the ELK stack (Elastic, Kibana) to the Hashi stack (Nomad, Consul)

May 2023 - Aug 2023 | San Mateo, CA
- 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
- Analyzed machines and event logs using tools such as Splunk, Tanium, Magnet AXIOM, and Microsoft Defender for Endpoint
- Automated triage of forensic data from KAPE and Magnet AXIOM into Splunk

YALE COMPUTER SOCIETY | Lead CourseTable 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 COMPUTER SCIENCE DEPARTMENT | Undergraduate Learning Assistant
Jan 2023 – Present | New Haven, CT
- Led office hours and review sessions for Data Structures (Spring 2023), Algorithms (Fall 2023), and Systems Programming (Spring 2024)

YALE LILY LAB | Undergraduate Researcher
Feb 2022 – Present | New Haven, CT
- Developed dataset for training NLP models on linguistics problems
- Trained and fine-tuned MarianNMT transformer models, 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.
- Hack-a-Sat 2 Finalist, 5-time DEF CON CTF finalist (2021-2024)

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.