

# CHRISTOPHER (LOC) LE

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## RESEARCH

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- 2023** - Connected summarized long text with GNN, GPT, and Streamlit (manuscript).
- 2023** - Detected fast objects in drone with Tensorflow Lite, CNN, YOLOv7, OpenCV (manuscript).
- 2023 ICISS** - Hacked social media with Kali Linux and social engineering.
- 2022 IEEE World AI IoT Congress (AIIoT)**
  - Implemented low light object-detection with Raspberry Pi, MIRNet, OpenCV, and Tensorflow.
  - Researched on different vulnerabilities and solutions in the Raspbian OS.

## EXPERIENCE

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- CYOBot** Remote  
*Software Engineer Intern* Nov 2023 - Present
  - Building open-source and internal solutions for developers learning robotics with MicroPython.
- CloudQuant** Chicago, Illinois  
*Software Engineer Intern* Summer 2023
  - Created Prefect pipelines to optimize +100 different cloud instances' securities and costs.
  - Initialized Azure CI/CD pipeline to optimize the new build of CQAI Jupyterhub with Kubernetes.
  - Simplified infrastructure set-up and scheduling jobs for ML research team with Docker and DVC.
  - Improved Grafana alerting and reduced SRE toils for dataset availability from 95.8% to 99%.
- Google Cloud** Sunnyvale, CA  
*Software Engineer Intern* Summer 2022
  - Deployed an multi-regional end-to-end solution on with Google Cloud Products and Terraform.
  - Initialized a GCP tool pickers over +150 available tools with NextJS with +10,000 visits/day.
  - Actively collaborated to develop media promoting GCP, each achieving over 4,000 views.
- TechPoint** Indianapolis, IN  
*Software Engineer Intern* Summer 2021
  - Led a team to create decentralized vaccination-storage application with NodeJS, ReactJS.
- IMI.AI** Santa Clara, CA  
*Software Engineer Intern, Full-stack* Summer 2020
  - Launched a real-time video-communication solution with speech-to-text feature using WebRTC.
  - Engineered features and medical databases using ReactJS, Cloud SQL, and the Google Sheet API.

## EDUCATION

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- Augustana College**  
B.A, Computer Science - Dean's scholarship, Honors Program. Graduated May 2023
- Honors & Awards:**
  - Donald E. McLaughlin Award for Excellence in Computer Science (**top 1% of class**).
  - 2nd Place Developer Week Hackathon 2019.
  - **1st Place Midwest Region** (MW) of the Consortium for Computing Sciences in Colleges (CCSC).
- Certifications:** Tensorflow Developer (Google), Machine Learning System Design (Educative), Tableau and R, PowerBi, R for Excel users, SQL.
- Related course-works:** Operating System, Machine Learning, Software Development, Data Structures and Algorithms, Cybersecurity and Networking, Database management.
- Extracurricular:** Founder - Google Developer Student Club, Mentor - HackMIT, Software Engineer - ACES App, Grader - Augustana College's SQL Class.

## PROJECTS

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- Easy Art Show** - Built a web app that facilitates effortless sharing of online artworks, using Firebase RealtimeDB, ThreeJS, Dall-E, promoted at Center for Visual Culture at Augustana College.
- Sign Language Translator** - Used Deep Learning, Open-CV, and AWS Sagemaker to detect complex gestures and provide translations of ASL in real-time. - **1st Prize in AngelHack Hackathon**

## LANGUAGES AND TECHNOLOGIES

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- Python, JavaScript/HTML/CSS, C++, Swift, Kotlin, Dart, SQL, Git, Linux OS.
- ReactJS/NextJS, Tensorflow, Pytorch, Grafana, Kubernetes/Docker/Terraform.