

# HAODONG LU

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## EDUCATION

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**Huazhong University of Science and Technology**, Hubei, China

◇ **B.S. in Computer Science**, expected July 2024

2020 - Present

◇ **Cumulative GPA:** 3.85 / 4.00

## EXPERIENCE

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**Research Assistant**

Jun 2022 - Present

Distributed Systems Team, Key Laboratory of Service Computing and Systems Ministry of Education & Amp, Huazhong Uni. of Science & Tech. *Wuhan, Hubei, China*

- Co-led the research of extending the sandwich arbitrage strategy to a "Lasagne" strategy.
- Carried out several experiments to achieve substantial optimization of arbitrage speed and accuracy.
- Developed an arbitrage system for the "Lasagne" strategy using Node.js, TypeScript, Go, and solidity.
- Led a "XETH" project: An open-source platform for Ethereum data intelligence analysis and management.

**Research Assistant**

Jan 2022 - Feb 2022 & Jul 2022 - Present

PDSL team, Wuhan photoelectric national research center parallel data storage laboratory *Wuhan, Hubei, China*

- Participated in the Talent Plan of PingCAP company and completed the tinykv project.
- Joined the DPU-KV group to do some research on offloading distributed applications to the DPU.

**Research Assistant**

Oct 2020 - Nov 2021

Key Laboratory of Digital Manufacturing Equipment and Technology

*Wuhan, Hubei, China*

- Optimized the Apriltag vision algorithm using C++.
- Developed a desktop application tracking and displaying the robot's position in real time using Qt, C++, and CSS.
- Prepared for the 17<sup>th</sup> "Challenge Cup" National Competition.

## AWARDS & SCHOLARSHIPS

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◇ **First Prize:** 17<sup>th</sup> "Challenge Cup" National College Student Curricular Academic Science & Technology Works Competition Apr 2022

◇ **Grand Prize:** 13<sup>th</sup> Hubei Province "Challenge Cup" College Student Curricular Academic Science & Technology Works Competition May 2021

◇ **Grand Prize:** 8<sup>th</sup> "Qiushi Cup" College Student Academic Science & Technology Works Competition Apr 2021

◇ **First Prize:** 17<sup>th</sup> "Mindray Cup" College Student Robot Competition Apr 2021

◇ School Merit Student Scholarship Oct 2021

◇ School Innovation Scholarship Oct 2022

◇ National Hisense Scholarship May 2022

◇ National Huawei's "Smart Base" Scholarship May 2022

◇ School Freshman Excellence Scholarship Apr 2021

◇ School Freshman Self-improvement Scholarship Apr 2021

## PUBLICATION

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**Lasagne: Exploring More Profitable Opportunities in Blockchain**

Revised

## SOCIETY MEMBERSHIPS

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**Team Dian**, Hubei, China

- **Leader of Web Group** Sep 2021 - Present
- Led a "kidpose" project, built team wiki and the official website.

#### Team FOCUS, Hubei, China

- **Leader** Oct 2020 - Present
- Daily organization and management of the team.
- Led projects about amphibious robots and the web.
- Led the Preparation for the 17<sup>th</sup> "Challenge Cup" National Competition.

#### Team STAR, Hubei, China

- **Member** Sep 2021 - Present
- Research on databases and distributed key-value storage.

#### Organization Department of the School Youth Committee, Hubei, China

- **Assistant of the Comprehensive Management Office** Oct 2020 - Oct 2021
- organized large-scale conferences and cultural and sports activities.
- coordinated the work of departments of the committee.
- Volunteer activities including Campus Health Maintenance and Hometown cleaning.
- Social practice activities including high-school presentations and the "Three Rural Areas" Social Practice, gaining the prize of **School Excellent Practice Individual** in July 2021.

### SKILLS

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<b>Programming Languages:</b>	Java, C++, Golang, C, JavaScript, NodeJS, Python, SQL, x86 Assembly
<b>Engineering Skills:</b>	Linux, MySQL, TiDB, Git
<b>Markup Languages:</b>	LATEX, Markdown