

Dang Minh Hoang

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EDUCATION

- **KAIST** **Daejeon, South Korea**
Bachelor of Science - Double Major in Computer Science and Business Management *Aug. 2020 - Present*

WORK EXPERIENCE

- **CDSN Lab** **Internship**
Undergraduate Research Assistant (Python) *Daejeon, Dec. 2023 - March. 2024*
 - Building annotation, integrate AI City Challenge 2022 to run on ViTDet model
 - Experimenting to evaluate the effect of different ViT backbone's patch size on the performance of the model
 - Optimizing the evaluation process with new predictions-groundtruth matching and multiprocessing
- **Luveri** **Start up**
Co-founder & Front-end Developer (Flutter) *Apr. 2021 - June. 2023*
 - In charge of and implemented front-end for the following features: Home, Timeline/Calendar, Chat, Note
 - Participating in UI ideation, design, and organizing user interviews
 - Having more than 500.000 downloads in total on both platforms iOS and Android
- **Anduin Transaction** **Internship**
Software engineer (Scala) *Ho Chi Minh City, 27 Feb. 2023 - 31 Aug. 2023*
 - Building a feature for managing documents with audit logs and integrating with other features to use documents across platforms
 - Designing and implementing a pipeline to detect and match results with corresponding Acrobat fields to extract users' input with the application of AWS Textract
 - Building a stand-alone website to apply the extracting pipeline into a large-scale of number of input files with Temporal.io
- **OnSquare** **Internship**
Front-end Developer (Javascript) *Seoul, 20 Jun. 2022 - 26 Aug. 2022*
 - Implementing different kinds of infinitely virtual listview by lazy loading
 - Making virtual listviews' elements sortable
 - Displaying search results for the search function in each virtual listview

ACTIVITY & ACHIEVEMENT

- **Country Representative of Vietnamese Students at KAIST Association**
Social Activity *Sep. 2021 - Aug. 2023*
 - In charge of managing the fund of the association
 - Establishing plan and operating various events in different scales for the Vietnamese students
 - Cooperating with associations from other universities for inter-university activities for Vietnamese students
- **3rd Prize in Vietnam National University Informatics Olympiad**
Competitive Programming *Jul. 2017*
 - Applied data structures and algorithms to compete with other high school students

CLASS PROJECTS

- **KensV3**

Introduction to Computer Network

C/C++

- Implementing a simplified version of socket API, integrating several features of TCP protocol, including three-way handshake, reliable data transfer, flow control, checksum function, and congestion control.

- **PintOS**

Operating system and Labs

C/C++

- Implementing different types of thread schedulers, including priority scheduler and multiple level feedback queue scheduler
- Incorporating argument passing, user memory access, and a system call infrastructure in order to run the user programs
- Implementing thread's virtual memory with memory mapping, swapping, stack growth
- Highest score on virtual memory optimization with the implementation of lazy loading, and copy-on-write.
- Implementing FAT file system, enabling file growth, introducing soft links, and establishing a hierarchical namespace

SKILLS

- **Concepts**

Algorithms, Data Structure, Machine Learning

- **Programming Languages and Tools**

C++, Python, Java, Flutter, Dart, Firebase, JavaScript, HTML, CSS, Scala, GraphQL, Protobuf, SQL, CUDA

- **Natural Languages**

Vietnamese, English