Luong Doan

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EMPLOYMENT

- **Cinnamon AI** — HCMC, Vietnam
  AI Researcher Intern — *June. 2019 - Aug. 2019*
  - Worked on developing a Named-entity recognition model that can tag Japanese words in a text line with their corresponding type. The precision of the model was improved from 75% to 92% by using zero LSTM initial state and 99% by using non-zero LSTM initial state.
  - Implemented data augmentation algorithms to automatically add noise to the dataset.
  - Languages/Technologies used: Python, Pytorch, Tensorflow.

EDUCATION

- **Ulsan National Institute of Science and Technology** — Ulsan, South Korea
  Bachelor of Computer Science and Mathematical Science — *Aug 2017 - June 2021*
  - Global Uni-Star Scholarship with full tuition support.
  - Current GPA: 89.20/100

HONORS AND AWARDS

- 22nd/135 **place in the 2018 ACM ICPC Asia Seoul Regional Programming Contest** — 2018
  - Competed in a team of three to solve 10-12 algorithmic problems in five hours contest using C/C++/Java.
- **Second prize in the 2016 ACM ICPC Vietnam National Programming Contest** — 2016
  - Got 19th place out of 166 participated teams.
- **Second prize in Vietnamese National Olympiad in Informatics in 2015** — 2015
  - An annual programming contest held by the Ministry of Education and Training for Vietnamese high-school students. This is the preliminary contest for choosing representatives for the International Olympiad in Informatics (IOI).

PROJECTS

- **LQD Online Judge** — 2020
  - An online system for hosting programming contests based on the DMOJ open-source platform. LQD Online Judge also provides messaging service that allow the community on sharing ideas and discussing approaches to solve coding questions.
  - Languages/Technologies used: Python, Django framework, jQuery, MariaDB.
- **Hanh Trinh Magellan Season 2 platform** — 2019
  - Developed a web platform for the contest "Hanh Trinh Magellan" that helps the moderator add, edit and show the questions in several styles (text, audio, video, crosswords, gomoku board); it also helps the contestants send their answers and AJAX requests (request answer permission, request to double their score) to the moderator.
  - Languages/Technologies used: Python, Javascript, HTML, CSS, Django framework, jQuery, Bootstrap.
- **ThemisRanking** — 2016
  - Developed a tool that automatically generate a web-based scoreboard from the grading result of the Themis judger.
  - Languages/Technologies used: PHP, HTML, CSS.

ACTIVITIES

- **Admin and problem setter at Le Quy Don's online judge** — 2018 - 2020
  - Manage over 1000 users of the platform.
  - Contribute data structures & algorithm problems for online contests.
- **Problem setter at Ho Chi Minh University of Technology** — 2016 - 2017
  - Create problemsets for BKIT Contest and Hau Due Pascal Contest, which are well-known annual programming contests of this university.