Long Phan

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EDUCATION

Case Western Reserve University   Expected May 2022
Bachelor of Science in Computer Science
Concentration: Artificial Intelligence / Software Engineering
Cumulative GPA: 3.48
Computer Science GPA: 4.0
Relevant Courses:
- Taken: Introduction to programming in Java, Data Structures, Discrete Math, Software Craftsmanship, Operating System, Algorithms, Probability, Database Systems
- In Progress: Software Engineering, Artificial Intelligence, System Programming

EXPERIENCE

VNG Corporation: Software Engineer Intern; May - August 2019
- Initiated and led the development of an agnostic Named-entity recognition (NER) module capturing and resolving date/time text into structured data for Kiki, **the first Vietnamese intelligent personal assistant**
- Built an algorithm and rule-based system resolving structured time data for Vietnamese Lunar Calendar questions in **Haskell** and **Java**
- Turned Kiki into the first Conversational Agent fully support Vietnamese Date/Time (both solar and lunar day)
- The module has been deployed for 10 million users on Zing Mp3 and extensible into a tokenizer for KiKi's search engine

PROJECTS

Machine Learning Accessibility Initiative: January 2020 - present
- A web application platform that uses deep learning analysis of input data to provide customized machine learning capabilities for users with no experience in artificial intelligence
- Main developer for the pipeline coordination of applications and interactions between the machine learning algorithms, back-end, and front-end
- Built with Python Django, MongoDB, ReactJS, GatsbyJS

CWRU Fast Class Search: October 2019 - present
- Entrepreneurship project advised by Professor Ronald Loui
- Initiated and full-stack developer of a distributed, multitenant-capable full-text search engine for more than 6000 classes at Case Western Reserve Univeristy
- Attempted to let students more flexible in exploring the topics and classes that the school offer instead of just traditionally looking for class name and code on the portal
- Built with Elastic Search, MongoDB, Python Scrapy, Docker, Java REST API, and ReactJS

LEADERSHIP AND ACTIVITIES

HackCWRU-2020 Organizer: Case Western Reserve University, Spring 2019 - present
- Organized the university's annually Hackathon and Local Hack Day
- Attended annual Major League Hacking events and Hackathons
- Main Developer and Maintainer for the HackCWRU-2020's official website, built with ReactJS

SKILLS

Programming Language: Java, Haskell, JavaScript, Python, R

Software and Frameworks: Java Spring, ReactJS, React-Native, Django, Express.js, RestAPI, Elastic Search, Kibana, MongoDB, Docker, SQL, Linux Environment