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titaneric
chen-yi-huang

CHEN-YI HUANG

Education

2018–2020 **Institude of Data Science & Engineering**, *National Chiao Tung University*.

2014–2018 **Depertment of Computer Science & Engineering**, *Yuan Ze University*.

Work Experience

July–Nov 2018 **WWW TA**, CS Computer Center, NCTU *Hsinchu, Taiwan*.

- Develop the web service for hundreds of CS students, especially for Account System.
- Implement in Laravel and Vue frameworks.
- Apply Git flow on development and Gitlab runner to automate the test and deployment jobs.

Skills

Language	Chinese (native), English (TOEIC 725)
Programming	Python (proficient), JavaScript, C, C++
Web Devs	Laravel, Vue, MySQL, PHPUnit, Gitlab Runner, Linux, Git
Data Science	Pandas, NumPy, PyTorch, Data Preprocessing, Data Visualization, Feature Engineering

Projects

- Music Recommendation System (September 2019) – Recommendation System using KKBox wsdm data
  - Collect the additional data from Spotify and preprocessing.
  - Implement the web-based interface to visualize the recommendation and compare them to user preference.
- AutoDiff from scratch (September 2019) – Simple neural network library supporting auto-differentiation
  - Report an issue and solve it in various deep-learing library during the development.
  - Enable high-level layer usage and have already tested on real-world datasets.
- Account System (September 2018) – Account Applying System for NCTU CS students
  - Implement in Laravel MVC architecture with additional Repository pattern.
  - Design the database schema.
  - Implement the business logic and account-activation-status API.

Open Source Contributions

- Find the redundant calculation of derivative of power function across various deep learning framework.
  - PyTorch, JAX, Autograd
- Make some code to be more Pythonic.
  - Tensorflow
- Bug report
  - Python extension for Visual Studio Code
- Participation of issue discussion.
  - Windows Subsystem for Linux

Certification & Award

- Machine Learning with TensorFlow on Google Cloud Platform by Google Cloud on Coursera, September 2019
- Querying Data with Transact-SQL by Microsoft on edX, December 2019