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Date of Birth Jan 26, 1997 | Nationality Taiwan

EDUCATION

Sep 2015 **Information Management, Bachelor of Business Administration**
– Jun 2019 National Taiwan University, Taipei, Taiwan

AWARDS

Jun 2018 Presidential Academic Excellence Award (2nd Semester 2017-18)
Jun 2018 Ranked Number Three in Academic Year 2017-18

PROFESSIONAL EXPERIENCE

Aug 2018 **Research Assistant** | NTU, Taipei, Taiwan & **Minister of Education, Taipei, Taiwan**
– Jul 2019

- Designed and organized comprehensive computational thinking teaching materials for professors and lecturers.
- Filmed and edited demonstrational lectures as reference for professors to use as course teaching material.
- Supervised team members throughout course material research process and provided final corrections.

Mar 2018 **Web Programming Intern** | Xaduro Inc, New Taipei, Taiwan
– Jun 2018

- Conducted regular website system maintenance to eliminate user experience issues.
- Programmed an innovative room booking notification feature to prevent overbooking from different websites.
- Operated data transfer tasks between Xaduro and AsiaYo through Json and utilized JavaScript and php for function development.

Aug 2017 **Research Assistant** | NTU, Taipei, Taiwan
– Feb 2018

- Machine Learning Project – Namesex on PyPI – Package to predict the gender tendency of a Chinese given name. ([URL: https://pypi.org/project/namesex/](https://pypi.org/project/namesex/))
- Created vectors from Chinese given names by using Python Word2Vec.
- Responsible for teaching the application of predictive models such as k-NN and logistic regression, validation by k-fold cross validation, as well as model tuning.

Feb 2016 **Research Assistant** | NTU, Taipei, Taiwan & **Artificial Intelligence Lab, University of Arizona**
– Aug 2017

- Installed and operated program trails for software testing to identify errors and defects.
- Designed a new sensor monitoring and data upload function by incorporating the original sensor with Raspberry Pi.
- Conducted regular database maintenance and organizing of information uploaded by the Raspberry Pi to the cloud database.
- Utilized Python and postgresSQL for data upload operations and database management respectively, as well as php for website development.

EXTRACURRICULAR ACTIVITIES

Sep 2016 **Member of NTU Softball Varsity Team** | NTU Softball Varsity Team, Taipei, Taiwan
– Jun 2018

- Participated and competed in the National College Softball Championship.
- Communicated innovative set plays with teammates and team coaches during daily practices.

Sep 2016 **Captain of NTUIM Men's Basketball Team** | NTUIM Men's Basketball Team, Taipei, Taiwan
– Jun 2017

- Planned practice sessions and developed effective game strategies to use during competitions.
- Organized team gatherings and procured department cups for alumni.

Sep 2018 **Graduate Representative of NTUIM** | NTU, Taipei, Taiwan
– Jun 2019

- Attended the National Taiwan University graduation as the representative for the Information Management Department due to performance in leadership.
- Coordinated and organized attendance of department professors to student graduation events.

- Planned and supervised graduation ceremony activities to facilitate the smooth progress of the event.
- Sep 2015 **Class Representative of NTUIM** | NTU, Taipei, Taiwan
- Jun 2019
 - Provided assistance to students of the Information Management Department.
 - Organized department events and student activities.
- Jan 2017 **Lecturer and Teaching Assistant for Python & Web Development Courses** | NTU, Taipei, Taiwan
- Feb 2017
 - Taught 30 beginner students how to build a website using HTML, CSS, and JavaScript.
 - Instructed students in Python programming and provided them assistance on assignments.
- Jul 2016 **Vice Coordinator of Orientation Camp for NTUIM & CL** | NTU, Taipei, Taiwan
- Sep 2016
 - Coordinated and managed camp activities for more than 100 participants.
 - Communicated with representatives from Department of Chinese Literature and facilitated student recruitment events. Supervised camp team leaders during freshman orientation events

SELECTED PROJECTS

- Jul 2017 **Sports Project – Maintenance of the Softball League Statistics Website** | NTU, Taipei, Taiwan
- Sep 2019
 - Responsible for website maintenance, function modification, and system troubleshooting.
(URL: <http://13.59.8.57>)
- Nov 2017 **Sports Project – Basketball Statistics System** | NTU, Taipei, Taiwan
- Dec 2017
 - Utilized Java to develop statistics system for NTU basketball team.
- Jun 2019 **ML Project – Unsupervised Classification for Super Basketball League Player** | NTU, Taipei, Taiwan
- Jul 2019
 - Used Python Selenium as web crawler to gather all players' game data.
 - Conducted data preprocessing and dimensionality reduction using PCA, t-SNE, and LDA.
 - Applied K-means clustering and hierarchical agglomerative clustering to create strategic basketball team formations.
- Apr 2018 **ML Project – Foxconn Tech. Stock Price Prediction** | NTU, Taipei, Taiwan
- May 2018
 - Gathered news and history on Foxconn Technology Group stock prices and categorized the data in relations to an increase or decrease in stock prices.
 - Searched for positive and negative keywords using N-Gram (2 gram ~ 6 gram).
 - Used the keywords selected through TF-IDF as features of news to fit into various regression algorithms.
 - Utilized k-fold cross-validation to predict the chance of an increase or decrease in stock prices with an accuracy rate of 82%.
- Jan 2018 **SeeFood – Image Recognition App for Taiwanese Street Gourmet** | NTU, Taipei, Taiwan
- Feb 2019
 - Used Python Selenium as web crawler to gather images of Taiwanese street gourmet from various search engines.
 - Responsible for Android App development and data transferring between smartphone and server.

TECHNICAL SKILLS

Programming Language	C/C++ 、 C# 、 Python 、 Java 、 JavaScript 、 PHP 、 R 、 MATLAB
Web Development	HTML 、 CSS 、 JavaScript 、 PHP 、 Python (Django) 、 SQL
3D Technologies	WebGL 、 Three.js 、 Blender 、 Unity

CS RELATED COURSEWORK

Core Courses	Programming Design 、 DSA 、 OS 、 Computer Organization & Structure 、 DB Management 、 Computer Networks & Applications 、 System Analysis & Design 、 Programming Languages (Haskell) 、 Scientific Computing
Graduate Level Courses	Digital Speech Processing 、 Big Data & Business Analytics 、 Intro. to Fintech 、 Information Retrieval & Text Mining 、 Statistical Learning: Theory & Applications 、 3D Programming 、 3D Creation in Reality