

# Sheng-Hsing Hsiao

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## EDUCATION

- |   |                    |
|---|--------------------|
| <b>National Taiwan University</b>                         | <b>2017 - 2019</b> |
| ● Master of Science, Computer Science (GPA: 3.96 / 4.3)   |                    |
| <b>National Taipei University</b>                         | <b>2013 - 2017</b> |
| ● Bachelor of Science, Computer Science (GPA: 3.74 / 4.0) |                    |

## PROFESSIONAL EXPERIENCE

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|---|----------------------------|
| <b>OnePlus - Engineer</b>   | <b>Sep. 2019 - Present</b> |
| ● Boosted 4 times faster of the parser and modified the parser to get more information for analysis. (Golang)   |                            |
| ● Developed the web pages and an email notification system for monitoring the quality statistics to corresponding teams to optimize our products. (ReactJS) |                            |
| ● Surveyed some cloud databases and migrated the data to the cloud for a more efficient data pipeline. (SQL, AWS)   |                            |
| <b>Microsoft - Technical Assistant Intern</b>   | <b>2018 - 2019</b>         |
| ● Provided technical assistance for Premier customers and partners, including data analysis, machine learning, and deep learning techniques. (Python, SQL)  |                            |
| ● Identified problems and built efficient POCs or demos to meet various industry partners' needs. (Python)  |                            |

## PROJECTS

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|--|------------------------------|
| <b>Real-time Emotion Detection on browser</b>  | <b>Feb. - Aug. 2018</b>      |
| ● Developed a real-time emotion detection system on browser via transfer learning with TensorFlow.js and MobileNet. (Python, JS) |                              |
| <b>Course Project: Dazzled-Darling</b>   | <b>Jun. 2018</b>             |
| ● Established a customized Instagram retrieval system based on user's preference.  |                              |
| <b>E.SUN FHC Customer Behavior Estimation</b>  | <b>Sep. 2017 - Jan. 2018</b> |
| ● Applied Machine Learning methods to predict customer behavior for precision marketing.   |                              |
| <b>Undergraduate Project: EASY-GUIDE</b>   | <b>2015 - 2016</b>           |
| ● Provided a system to inform people the obstacles in front of them on the road.   |                              |

## EXTRACURRICULAR ACTIVITIES

- |   |                              |
|---|------------------------------|
| <b>Hua Nan FHC 2nd Fintech Innovation Competition</b>                                       | <b>Dec. 2017</b>             |
| ● Won the Gold Award with the idea "Using Blockchain to Vertically Integrate Supply Chain". |                              |
| <b>beBit, Inc. - Intern</b>   | <b>Dec. 2017 - Mar. 2018</b> |
| ● Helped HR manager look up top software engineers and AI researchers work in Tokyo beBit.  |                              |
| <b>Hong Kong Polytechnic University Summer Intern</b>                                       | <b>Jun. - Sep. 2017</b>      |
| ● Created animation to develop interactive learning materials for engineering students.     |                              |

## PUBLICATION

- Hsiao, Sheng-Hsing, and Jyh-Shing Roger Jang. "Improving ResNet-based Feature Extractor for Face Recognition via Re-ranking and Approximate Nearest Neighbor." 2019 16th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS). IEEE, 2019.

## SKILLS

### Programming Languages:

- (Proficient) C++, Python, Go
- (Familiar) JavaScript, MATLAB, C

### Tools and Technical Skills:

- Git, Docker, CI/CD, TensorFlow, Keras, HTML, PHP, Web development, SQL, Grafana, DynamoDB, Google BigQuery, AWS Athena

## Certificates:

- TOEIC: 960
- Microsoft - Azure Fundamentals
- Microsoft Professional Program Certificate in Artificial Intelligence