

# Chia-Sheng Chen

## Personal Information

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E-Mail: [mail@cschen.io](mailto:mail@cschen.io)

Phone: +886 913 400 690 (TW)

Personal Website: <https://cschen.io>

## Work Experiences

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- Software Development Engineer at Microsoft Aug 2019 – Now  
Built the frontend codebase of several web services with React.js and Typescript. Built a data processing service with fail rate of 0.0001% with C# on Azure Functions, Batch, and Storage. Built data pipelines on Azure Data Factory.
- Web Engineer at DirectGo 2017 – 2019  
Co-built the service from 0 to 1 with Ruby on Rails. Drove a major revision (v2) in 2018. Led the dev team (3 ppl.) in 2019.
- Research Assistant at NTU Speech Lab (Prof. Hung-Yi Lee) 2018 – 2019  
Implemented an end-to-end framework on integrating speech recognition and natural language responses.
- Part-time Researcher at Magia.ai 2017  
Surveyed and designed a semi-automatically domain ontology building method.
- Summer Intern at Academia Sinica (Dr. De-Nian Yang) 2016  
Implemented state-of-the-art graph algorithm in C++.
- Summer Intern at 5xruby 2016  
Contributed 2 enhancements to Ruby core repository.

## Educational Background

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- Bachelor, Computer Science, National Taiwan University, Taiwan 2014 – 2019
  - ♦ **Chen, C.-S.**, Hsu, H.-W., & Yu, T.-L. (2018). Fast algorithm for fair comparison of genetic algorithms. In Proceedings of the Genetic and Evolutionary Computation Conference on - GECCO '18.
- Exchange Student, Informatik, TU Dortmund, Germany 2017 – 2018
- Taipei Municipal Chien Kuo High School, Taiwan 2011 – 2014
  - ♦ Candidate for National Team of International Olympiad in Informatics (IOI/TOI)
  - ♦ Second Prize of the National High School Informatics Competition

## Undergraduate Research

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- Natural Language Processing (Prof. Yun-Nung Chen) 2016 – 2018  
Designed an unsupervised slot induction algorithm.
- Genetic Algorithm (Prof. Tian-Li Yu) 2016 – 2018  
Invented a mathematical methodology on comparing different GAs. Published a long paper at GECCO' 18.

## Languages

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Mandarin: Native

Taiwanese: Native

English: Fluent

German: Upper intermediate

Japanese: Elementary

## Miscellaneous

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- Soccer  
Department team leader in the university. Won Freshmen Cup third prize.
- Hitchhiking  
Frequent hitchhiker. Longest trip from Germany to Hungary, lasted for 14 days with 5 intermediate cities.
- Organizer of vTaiwan x Youth  
Led long-term bi-weekly discussions of the vision and prospect of the future virtual world, with Jaclyn Tsai, the minister without portfolio of Executive Yuan.