SHAO-TING STEVEN CHIU

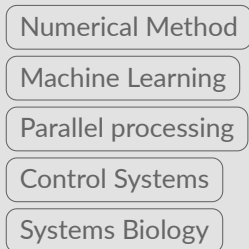✉ b03901045@g.ntu.edu.tw   📞 +886-937857127   📍 New Taipei City, Taiwan   ⦿ stevengogogo

SKILLS

`julia` `Python` `Matlab`
`C++` `$TeX$` `Github CI`
`Git`

INTERESTS

`Numerical Method`
`Machine Learning`
`Parallel processing`
`Control Systems`
`Systems Biology`
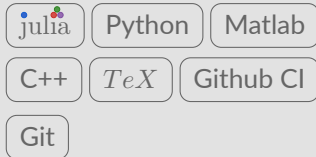
LANGUAGES

Manderin: Native

English: Fluent / 94 (TOEFL)

Vietnamese: Intermediate / A2

ACHIEVEMENTS

Pen Wen Yuan Foundation
🏆 Scholarship 2019 ⤴
📍 Industrial Technology Research Institute

International Student Science Forum 2017
🏆 Best presentation award
📍 Ho Chi Minh City, Vietnam

Intel ISEF 2014
🏆 1st Special Award
   4th Grand Award ⤴
📍 LA, USA

Taiwan International Science Fair 2014
🏆 1st place
   Young Scientist Award ⤴
📍 Taipei, Taiwan

ABOUT ME

I am a dedicated engineer of numerical method and mathematical modeling. Double major in dentistry,

EDUCATION

Master of Biomedical Engineering | Graduate Institute of Biomedical Electronics and Bioinformatics, National Taiwan University

📅 Sept. 2018 – Present   📍 Taipei, Taiwan   🏛 GPA: 4.19/4.3

Bachelor of Electrical Engineering | Dept. of Electrical Engineering, National Taiwan University

📅 Sept. 2014 – July 2018   📍 Taipei, Taiwan   🏛 GPA: 3.71/4.3

Doctor of Dental Surgery | Dept. of Dentistry, National Yang-Ming Chiao-Tung University

📅 Sept. 2014 – Present   📍 Taipei, Taiwan   🏛 GPA: 2.4/4.3

EXPERIENCE

Clerk | Taipei City Hospital Yang-Ming Branch

📅 June – Sept. 2020   📍 Taipei, Taiwan   👥 Dental Medicine

Research Intern | Dept. of Biomedical Engineering, Johns Hopkins University

📅 June 2018 – Sept. 2018   📍 Baltimore, USA   🖼 Microscopic Image Analysis

Research Intern | Institute of Molecular Biology, Academia Sinica

📅 June. 2016 – Sept. 2016   📍 Taipei, Taiwan   ⚗ Aging Research

PACKAGES

FindSteadyStates.jl: Multi-threaded Steady-state Explorer | ⦿ | 🌐

📅 Oct. 2020 – Jan. 2021   ⑂ v1.0.1

PotentialMap.jl: Potential Map Generator of Differential Equations | ⦿

📅 Oct. 2020 – Jan. 2021   ⑂ v1.0.0

EstimHill.jl: Ultrasensitivity Analysis Toolbox | ⦿

📅 June. 2020 – Sept. 2021   ⑂ v1.0.0

PUBLICATION AND INVENTION

Understanding the System Dynamics of Mitochondrial Retrograde Signaling from a Differential Equationbased Framework | 📄

👥 **Shao-Ting Chiu** and An-Chi Wei   ↗ ICSB 2019 (**Oral**)   📍 Okinawa, Japan

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The Influences of Mitochondrial Depolarization on Mitochondrial Network Structures | 📄

👥 **Shao-Ting Chiu**, Jun-Yi Leu, An-Chi Wei   ↗ BMES 2018 (**Oral**)   📍 Phoenix, USA

Information Transduction Capacity of Mitochondrial Retrograde Signaling | 📄

👥 **Shao-Ting Chiu**, Jun-Yi Leu, An-Chi Wei   ↗ BPS 2017 (**Poster**)   📍 Taipei, Taiwan

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A Spectral Information Coding System for the Visually Impaired | 📄

👥 **Shao-Ting Chiu** and Yi-Hsuan Wu   ↗ Patent ID: 106129729   📍 Taiwan

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The State of Parental Mitochondria Influences the Replicative Lifespan of Zygotes of *S. cerevisiae* | 📄

👥 Pei-Ming Chen and **Shao-Ting Chiu**   ↗ Intel ISEF 2014   📍 Los Angeles, USA