

TRANSCRIPT OF ACADEMIC RECORD/GPA

School: School of Fundamental Science and Engineering

Major: Department of Computer Science and Engineering

Name: WANG, Chih-hao

Date of Birth: November 4, 1996

Period Attended: From September 21, 2015

To Present

| SUBJECT | YEAR | Cr | Gr | GP | SUBJECT | YEAR | Cr | Gr | GP |
|---|------|----|----|----|---|------|----|----|----|
| [Group A] | | | | | Electronic Circuits | 2018 | 2 | A+ | 4 |
| (Multidisciplinary Studies) | | | | | Advanced Intelligent Software | 2018 | 2 | A+ | 4 |
| Introduction to Logic | 2015 | 2 | A+ | 4 | Perceptual Computing | 2018 | 2 | A+ | 4 |
| Introduction to Ethics | 2016 | 2 | A+ | 4 | Design and Implementation of Programming Languages | 2018 | 2 | A+ | 4 |
| Ideas that Shook the Universe | 2016 | 2 | A+ | 4 | Foundations of Analysis | 2016 | 2 | A+ | 4 |
| (Foreign Language) | | | | | Information Design: Methods and Applications | 2016 | 2 | A+ | 4 |
| Writing for Scientists and Engineers | 2016 | 1 | A+ | 4 | Fundamentals of Robotics A | 2016 | 2 | A+ | 4 |
| Research Presentation Skills | 2017 | 1 | A+ | 4 | Numerical Analysis | 2017 | 2 | A+ | 4 |
| [Group B] | | | | | Exercise for Fundamental Mathematics | 2017 | 4 | A+ | 4 |
| (Mathematics) | | | | | Fundamentals of Robotics B | 2017 | 2 | A+ | 4 |
| Calculus A | 2015 | 4 | A+ | 4 | *Databases | 2017 | 2 | A+ | 4 |
| Linear Algebra A | 2015 | 2 | A+ | 4 | Mathematical Programming | 2017 | 2 | A+ | 4 |
| Calculus B | 2016 | 4 | A+ | 4 | [Other Courses] | | | | |
| Linear Algebra B | 2016 | 2 | A+ | 4 | (Other Courses)(Other Faculties • CJL)) | | | | |
| Vector Calculus | 2016 | 2 | A+ | 4 | Comprehensive Japanese 4 | 2015 | 5 | A+ | 4 |
| Ordinary Differential Equations | 2016 | 2 | A+ | 4 | Japanese Traditional Culture and Pop Culture 6-8 | 2018 | 1 | A+ | 4 |
| Discrete Mathematics | 2016 | 2 | A+ | 4 | Listening comprehension: Improving Accuracy in News | 2018 | 1 | A+ | 4 |
| *Introduction to Probability and Statistics | 2017 | 2 | A | 3 | Listening 6-7 | | | | |
| (Natural Science) | | | | | Strategic Reading for Advanced Level Texts 6 | 2018 | 1 | A | 3 |
| Fundamentals of Mechanics | 2015 | 2 | A+ | 4 | | | | | |
| Fundamentals of Electromagnetism | 2016 | 2 | A+ | 4 | | | | | |
| General Chemistry A | 2015 | 2 | A+ | 4 | | | | | |
| General Chemistry B | 2016 | 2 | A+ | 4 | | | | | |
| Introduction to Bioscience | 2015 | 2 | A+ | 4 | | | | | |
| (Laboratory • Recitation) | | | | | | | | | |
| Science and Engineering Laboratory 1A | 2016 | 3 | A+ | 4 | | | | | |
| Science and Engineering Laboratory 1B | 2016 | 3 | A+ | 4 | | | | | |
| Science and Engineering Laboratory 2A | 2017 | 2 | A+ | 4 | | | | | |
| (Information Science Courses) | | | | | | | | | |
| Introduction to Computer Science | 2015 | 2 | A+ | 4 | | | | | |
| Introduction to Programming | 2016 | 2 | A+ | 4 | | | | | |
| Codes and Ciphers | 2016 | 2 | A+ | 4 | | | | | |
| Intermediate Programming | 2016 | 2 | A+ | 4 | | | | | |
| Advanced Java Programming | 2016 | 2 | A+ | 4 | | | | | |
| Introduction to Automata | 2017 | 2 | A+ | 4 | | | | | |
| [Group C (Specialized Courses)] | | | | | | | | | |
| (Specialized Elective Required Courses) | | | | | | | | | |
| Circuit Theory A | 2016 | 2 | A+ | 4 | | | | | |
| Logic Circuits | 2016 | 2 | A+ | 4 | | | | | |
| Fundamentals of Programming | 2016 | 2 | A+ | 4 | | | | | |
| Algorithms and Data Structures | 2017 | 2 | A+ | 4 | | | | | |
| Computer Systems | 2017 | 2 | A+ | 4 | | | | | |
| Signal Processing | 2018 | 2 | A+ | 4 | | | | | |
| Information Network Systems | 2018 | 2 | A+ | 4 | | | | | |
| Research Project A | 2018 | 2 | A+ | 4 | | | | | |
| (Specialized Elective Courses) | | | | | | | | | |
| *Software Engineering | 2017 | 2 | A+ | 4 | | | | | |
| *Information Retrieval | 2017 | 2 | A | 3 | | | | | |

We do not rank students in this school.

Cr:Credit Gr:Grade

Subjects marked with * indicate credits transferred from other universities including overseas academic institutions.

TOTAL REGISTERED CREDITS

112

Only subjects which are included in the GPA calculation are indicated above.

Passing Grades: A+(90 - 100), A(80 - 89), B(70 - 79), C(60 - 69)

Calculation Formula:

Failing Grades: F, G, H(0 - 59)

[(No. of A+ credits x 4) + (No. of A credits x 3) + (No. of B credits x 2) + (No. of C credits x 1) + (No. of Failing Grades x 0)]

Total number of registered credits(Include failed subjects)

=GPA

NOTE

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|--------------|-----------------------|----------------------------------|
| Study Abroad | 9/21/2017 ~ 9/20/2018 | National University of Singapore |
|--------------|-----------------------|----------------------------------|

Date: April 11, 2019

President, Waseda University

TANAKA, Aiji

Signature

