Chan Woo Kim

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EDUCATION

SHANGHAI AMERICAN SCHOOL PUXI CAMPUS

Shanghai, China
Cum. GPA: 3.8/4.0
PSAT/NMSQT: 1490/1520
(730/760) R&W (760/760) Math
SAT Math Level II: 800/800

LINKS

Github:// **codeandproduce**
LinkedIn:// **chanwkim**

COURSEWORK

HIGH SCHOOL

AP Calculus BC
AP Physics 1
AP Psychology
AP Economics
IB Computer Science HL Y1
Intermediate High Chinese Year 2

Coming Year:
AP Physics C
AP Chemistry
AP Comparative Government
AP Research
AP English Language
IB Computer Science HL Y2
Multivariable Calculus

ONLINE CERTIFICATION

Certificate of Completion: Complete Guide to Tensorflow for Deep learning using Python
(Covered using TensorFlow to configure CNNs, RNNs, OpenAI Gym, GANs, and TensorFlow Abstractions API)

SKILLS

FULL-STACK DEVELOPMENT

Java • Shell • Front-End Javascript • HTML • CSS • Python (TensorFlow, SKlearn) • Node.js • LaTeX
PostgreSQL • Docker • GraphQL • MongoDB • Git

MUSIC PRODUCTION

Ableton Live • Serum • NI Massive

EXPERIENCE

AMPTONE RECORDS | Chief Technical Officer

June 2016 – present| Shanghai, China

- Managed the label, aiming to provide a platform for students in Shanghai to publish music.
- Collectively, currently signed 4 artists, 2 with set release dates, 2 published in all major music platforms, filmed 2 music videos, 2 promotional videos, and organized concerts.

EDUGORA | Full Stack Developer Intern

November 2017 – December 2017 | Shanghai, China

- Learned and worked as a full-stack developer managing the database and APIs.
- Worked with: Node.js, PostgreSQL, GraphQL, Docker, Python.
- Daily work included writing new APIs, cleaning & documenting code, and maintaining & deploying development servers using Docker and Node.js.

NTMALDETECT | Open Source Creater & Team Leader

September 2017 – present | Shanghai, China

- NtMalDetect is an executable form of the research in machine learning approached to malware detection that I conducted.
- Programmed all aspects - NtMalDetect will analyze sequences of system calls of programs to determine if it is malicious using machine learning classifiers.

RESEARCH

INTEL ISEF: A MACHINE LEARNING APPROACH TO MALWARE DETECTION | Machine Learning Research

June 2017 – Present |
Research aiming to apply widely used document classification techniques to classify malware. Features considered are extracted from system call traces of benign and malicious programs, and the tasks to classify these traces are treated in parallel to a binary document classification task.

Won the Yale Science and Engineering Award, an award given to 11th grade students in regional science fairs around the world presenting the best project in Computer Science, Engineering, Physics, or Chemistry fields. The Best of Fair Award and the Superior Award at the Intel Cup Sichuan Fair 2018. Publication submitted.

AWARDS

Year	Scope	Award
2018	International	Yale Science and Engineering Award
2018	International	Intel Science and Engineering Fair Finalist
2017	International	Distinction: Canadian Senior Mathematics Contest
2018	National	Best of Fair Award, Superior Award Intel Cup Sichuan Fair

SOCIETIES & EXTRA-CURRICULARS

Year	Role	Society
2017	National	Mu Alpha Theata (Math Honor Society)
2017	National	Science National Honor Society
2017	National	National Honor Society
2017	Founder/President	Developers' Hub
2017	Biweekly Lecturer	Computer Science Club
2017	Link Crew Leader	Link Crew