

curriculum vitae Pyokyeong Son

Seoul, Korea → Tokyo, Japan →

Currently in Durham, NC

27708-6022, Box 96022

pyoky3289@gmail.com

Website: pyoky.me

**SAINT MAUR
INTERNATIONAL SCHOOL**
CLASS OF 2019
STMAUR.AC.JP

International Baccalaureate Diploma

Math HL, Physics HL, Econ. HL, Comp. Sci. HL, Literature SL, Japanese A SL

Advanced Placement Microeconomics, Macroeconomics,

Lang. and Comp., Lit. and Comp., Comp. Sci. A, Calculus BC, Physics 2

High School Student Council, President (01/2018~01/2019)

High school Robotics Club, President (07/2016~06/2019)

Habitat for Humanity, Student Volunteer, Cambodia

KPASS Brain Bowl *First Place*—Team; *All Stars Award*—Individual

VEX Robotics Competition 2016 Judge's Award (Finals), 2017 Q-Finalist

KPASS Speech Contest, Extemporaneous, Gold Award

DUKE UNIVERSITY
CLASS OF 2023

Chronicle, Design Team (09/2019~)

Duke Debating Society (09/2019~)

GRAPHIC DESIGN

INTERNSHIP at **KKMani's Sprout Team** as *Web and Newsletter Developer and Designer*. Worked on brand image and logo re-design.

CHRONICLE *Designed logo for Chronicle's video segment "Duke Universi-tea"*

MATHEMATICS & PHYSICS

REPORT: "Investigation of a Lagrangian Description of a Modified Demonstration of Atwood's Machine"

RESEARCH "Exploration of Fundamental Mathematics via Implementation of Common Axiom Systems and Proof Generation" ([link](#))

COMPUTER SCIENCE

PROJECT *Security using OTP implementation and iOS client*

PROJECT "Mathematics of the Deciphering of the Enigma machine" ([link](#))

RESEARCH "Evaluation of Optimization Algorithms for Machine Learning Applications" ([link](#))

SKILLS

Linux System Administration iOS App Development Web Development
Affinity Photos & Designer Photoshop & Illustrator
Mathematical computation in Wolfram Language, Python
C, C++, Java, Python, Wolfram Language, Swift

LANGUAGES

Professionally and Academically fluent in **Japanese, Korean, English**

iBT TOEFL : 119, **IELTS**: 8.5, **JLPT N-1**: Pass (175/180)

as of 10/2019