Pyokyeong Son

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Box 96022; Duke University; Durham, NC, USA

DUKE UNIVERSITY

Bachelor of Science, Computer Science;
Bachelor of Science, Economics (Double Major);
Certificate in Philosophy, Political Science and Economics; Foreign Language: Chinese **CLASS OF 2025**
Cum. **GPA: 3.8 of 4.0;** Selection of coursework: *Durham, NC*
- CS: *graduate* Algorithmic Game Theory, Deep Learning; *undergrad.* Databases, Advanced Algorithms
- Economics: *graduate* Mathematical Finance & Derivatives; *undergrad.* Econometrics, Macro & Micro
- Math: Statistical Inference & Learning, Linear Algebra, Multivariable Calculus
- Liberal Arts: Renaissance Art & History, Marxism, Distributive Justice, Queer Theory & Feminism

SAINT MAUR INT'L SCHOOL

IB Bilingual Diploma, Japanese and English; GPA**:** 4.77 of 4.5; AP 8 Subjects; IB: 42/45; **CLASS OF 2019**
Award of Academic Excellence and Leadership (one student) Student Council **President** *Yokohama, Japan*

WORK & INTERNSHIP

Nomura Risk IT — *Intern* **SUMMER 2024** NYC
Hitachi Social Information Solutions — *Full-time Intern* **SUMMER 2023** Tokyo
- Spearheaded administration front-end development (Angular) for Hitachi's Public Biometric Infrastructure initiative. Client was Japanese local government.
- Strengthened communication channels between developer and client with combined experience in front-end development as well as communication & project management skills

Rep. of Korea Navy Interpretation Officer **NOV 2020 - JUL 2022**
- Lead interpretation for US-ROK Command Post Training (CCPT) exercises *Jinhae, South Korea*
- Managed visiting crew from U.K., U.S., Indonesia, Germany for technical submarine tours

Cydoc Medical Notes — *Front End & Graphic Design Intern* **SUMMER 2020**
- Oversaw a front-end overhaul with Javacript, React and Semantic-UI front-end; *Durham, NC* achieved performance enhancements and increased usability
- Produced UI redesign with supporting branding guidelines & logo; adopted for final launch product

KKMani's Sprout Team — *Financial News on Renewable Energy* **SUMMER 2019** Tokyo
- Spearheaded a full rewrite of a cross-platform email framework with HTML & CSS, leading to enhanced client-side compatibility and standard adherence

WRITTEN WORK

Wolfram Research Summer Program — "*Exploration of Fundamental Maths via Implementation of Common Axiom Systems and Proof Generation*" (link) **SUMMER 2018** Boston
- Implemented group theory, boolean and integer algebra, and predicate logic in *Mathematica*
- Demonstrated relative feasibility of certain hypothetical axiom systems

IB Extended Essay — "Evaluation of Optimization Algorithms for ML Applications"
- Implemented optimization algorithms with Numpy, Scipy libraries in Python **SPRING 2019**

LEADERSHIP

Lambda Phi Epsilon, Duke Associate Chapter, **Treasurer** *Yokohama, Japan*
- Orchestrated 20-year chapter alumni anniversary event with Hilton Hotel banquet and school administration, for the Largest Asian-American interest fraternity in the U.S.

Temptasians Acapella Group, VP, Treasurer
- Spearheaded group revitalization post-Covid–19, leading events, performances and communication

PROJECTS

Homelab project with ESXi and later Debian & KVM, with second-hand server parts
Maintained services such as local DNS, OpenVPN, Apache web server for personal website
Contribution to **rust-coreutils** as part of OSS contribution and personal interest in Rust language design

SKILLS

Proficient in **Rust** (Open source software contribution)**, C** (Coursework), **Python** (ML, Scientific Computing), **Mathematica** (Research), **Javascript** with **React** (Work experience)
Fluent in **Photoshop & Illustrator** (Work experience), **Excel** (Work experience)

LANGUAGES

Fluent in **English** (*TOEFL:* 119/120, *IELTS:* 8.5/9)**, Japanese** (*JLPT N-1:* 175/180)**, Korean** (*Native Speaker*)
Basic skills in **Chinese** (2 years coursework)