

## Juho Alex Shin

St. John's School Guam, Tamuning, GU / Phone: 671-727-8965 / Email: [alex.shin061114@gmail.com](mailto:alex.shin061114@gmail.com)

### EDUCATION

---

#### St. Johns School Guam

- Highschool Student who has strong interest in Energy and Environment
- SAT: 1500, GPA N/A
- Relevant Courses: Ap Chemistry, Ap Calculus BC, IBH Physics, IBH Chemistry, IB Economics

### ACTIVITIES

---

#### Math Club

**August 2023-Present**

*Vice President*

Tamuning, Guam

- Collaborated with club members to solve high-level math problems, including AMC, SAT, and high school math.
- Tutored students who needed help in math, fostering a supportive learning environment.
- Initiated and developed an in-school math competition to encourage student engagement and challenge mathematical skills.

#### 2023 VEX Robotics World Championship University Level

**Mar 2021-Apr 2023**

*Team Leader, Main Builder, Main Programmer, Driver*

Dallas, TX

- Built and programmed a robot for the 2023 Spin-Up competition, leading a team of high school and university students.
- Developed advanced programming skills while preparing for the national competition with over 300 universities.
- Led the team to win a Judge's Award, distinguishing myself as a high school student among university competitors.

#### Science Club

**Mar 2022-Jun2023**

*Vice President*

Seoul, Korea

- Conducted experiments and authored journals on eco-friendly fertilizer made from starfish, addressing environmental issues in Korea.
- Organized a guest lecture by a researcher on cancer treatment, providing club members with valuable insights into cancer management.

#### APMEA (Asia Pacific Marine Ecosystem Alliance)

**Dec 2023-Present**

*Founder, CEO*

Online

- Founded an NGO with 16 members globally to address marine ecosystem degradation due to global warming.
- Led the team in writing journals proposing solutions for global warming and created a website to propagate our work and raise awareness.
- Promoted awareness about global warming and its impact on marine ecosystems, reaching a global audience.

## Washington University Research

### Watt Worker

Sep 2023-Dec2023

*Student Intern*

Global Online

- Identified environmental and economic benefits of electric vehicles (EV) over internal combustion engine (ICE) vehicles.
- Utilized MATLAB Simulink to analyze EV charging infrastructure and battery performance based on speed, motor, battery capacity, and road conditions.
- Led a capstone project comparing the financial feasibility and total cost of ownership of ICE vs. EV vehicles, including carbon emission calculations with a team of five members.

### Gangnam Post

Dec 2023-Present

*Student Reporter*

Global Online

- Covered the latest engineering technology for the community newspaper by researching global news articles and journals on a monthly basis.
- Collaborated with media team members to produce feature articles for the annual publication.
- Connected Korea and Guam by highlighting prevalent environmental issues in Guam and worldwide.

태양광 **Intern**

### Ch5 E4DS News Company

Mar 2022-June 2023

*Intern*

Seoul, Korea

- Assisted in gathering information and fact-checking for technology-related news articles.
- Supported the operation of news coverage conferences and webinars on semiconductors and the electrical industry.

### Paddling Team

Feb 2024-May 2024

*Junior Varsity*

Tamuning, Gu

- Participating in island-wide races as part of the school's paddling team.
- Developed strong cooperation and teamwork skills through rigorous training and competition.

## AWARDS

---

2023 VEX Robotics World Championship University Level

Judge Award

2023 Congressional App Challenge

1st Place in Guam district

2024 University of Guam StateWide Chemistry Olympiad

2nd Place

2023 Collegiate Academy of Seoul Science Fair

Judge Award

