

# DENNIS SOOMIN EUM

## The Blake School, Class of 2022

### contact

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### education

CLASS OF 2022, **3.98/4.0 GPA**

*The Blake School*

*Minneapolis, MN*

### school awards

National School Orchestra Award

Math League Division 10<sup>th</sup> place

Public Forum Debate TOC qualifier

### cello awards

YPSCA winner (Holmes award)

Thursday Musical HS 1<sup>st</sup> place

Thursday Musical Junior 1<sup>st</sup> place

Classical MPR Semi-finalist

Schubert Club Junior 1<sup>st</sup> place

Mary West HS 1<sup>st</sup> place

Mary West Junior 1<sup>st</sup> place

### extracurriculars

Blake Physics Club (captain)

GTCYS Symphony Orchestra (7 years)

Blake Math Team (6 years)

Blake Debate Team (3 years)

Blake JV Tennis (4 years)

Blake Cross Country (2 years)

Solo Cello Performances (9 years)

### general skills

English, Korean, Spanish (fluent)

Python (algorithms/data science),

Mathematica, web coding,

Photoshop, Premiere Pro, Office Suite

### scores

AP Calculus BC (5), AP Calculus AB sub-score (5), AP Statistics (5),  
AP Physics 1 (4), AP US History (4), AP Spanish (4)

SAT 2 Chemistry (800)

### experience

#### Robotics For All Volunteering and Internship

*2020 Summer - Present*

- This program is a non-profit whose purpose is to give low-income students an opportunity to a diversified and engaging STEM education
- Serve as a teaching volunteer (introductory Python) and as a business intern (assisting in organization)
- Part of the web dev team (mainly front-end/design)
- Personally designed and coded the tutoring branch's scheduling software with PHP, SQL, HTML, JS, CSS

#### Linear Algebra and Differential Equations at the UMN

*2020 Summer*

- Learned linear and differential equations for summer coursework
- Explored physical application of linear algebra

#### Augment Programming Internship

*2019 Summer – 2019 Fall*

- Learned the Mathematica functional programming language; implemented data science methods
- Analyzed and visualized data on topics of interest, e.g. disease cases by geography
- Was introduced machine learning techniques and applied to basic scenarios such as text recognition

#### Teaching Assistant for Korean Language Classes

*2018 Summer – 2019 Summer*

- Weekly volunteering at a local Minnesota church
- Helped manage and teach elementary/middle school students to learn Korean