

Nathan R. Gooneratne

1011 Indian Creek Ln • Wynnewood, PA 19096 • (610) 348-4303 • nathan.gooneratne@gmail.com

EDUCATION

Lower Merion High School - Ardmore, PA (September 2018 to Present)

GPA: 4.92/5.00

Exp. Graduation: June 2022

AWARDS/HONORS

Commended Student, National Merit Scholarship Competition (2021)

Recognizes students' academic achievement

National Honor Society, Lower Merion Chapter (June 2021)

Recognized students who have demonstrated scholarship, leadership, service, and character

AP Scholar with Distinction Award (May 2021) & AP Scholar (May 2020)

Recognized for achieving high scores on AP exams

10th Grade Professional Learning Community Team Award (June 2020)

Recognized by 10th-grade teachers for "natural intellect, hard work, and high character"

Academic Honor Roll (2018 to Present)

EXTRACURRICULAR ACTIVITIES

Science Olympiad Club

September 2018 - Present

- 2021/22 Event Leader for Wi-Fi Lab and Ping Pong Parachute
- 2020/21 Event Leader for Sounds of Music
- Determine study materials and schedules
- Monitor and support team members' progress
- Mentor and motivate team members
- Competed in Sounds of Music, Water Quality, Electrical Engineering, Circuit Lab, Designer Genes, and Protein Modeling

Computer Science Club

September 2020 - Present

- One of the founding members of the Computer Science Club
- Leader of the Teach Python Division
- Developed course content and created slideshow for Teach Python lessons
- Trained and led team in teaching Python to 100 middle-schoolers

E-Sports Club

September 2021 - Present

- One of the founding members of the E-Sports Club
- Media manager responsible for promoting events on school and social media platforms
- Organize and host competitions

Physics Club

December 2020 - 2021

- Invited to join club to study AP-level physics and E&M
- Participated in 2021 Physics Bowl

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ACADEMIC ENRICHMENT EXPERIENCES

UCLA Design Media Arts Summer Institute - Los Angeles, CA (remote study)

July 2021

- Studied and applied design practices in the contexts of type, net, worlds, and video
- Studied basic to advanced Computer Science principles, concepts, and practices like abstraction, modularity, and object-oriented programming as well as high- and low-level coding languages
- Earned college credit and obtained Grade A

University of Pennsylvania, Engineering Summer Academy - Philadelphia, PA (remote study)

July 2020

- Acquired skill set for manipulating data sets
- Studied abstraction, modularity, objects, loops, arrays, classes, and OOP
- Learned about the theoretical underpinnings of Computer Science to understand fundamental concepts such as how we get from the 0's and 1's of machine language to highly complex software
- Earned college credit and obtained Grade A

PROGRAMMING EXPERIENCE & PROJECTS

“The Epic of Lumina” | Game Developer

July 2021 - Present

Since July of 2021, I have been working on creating a turn-based Role-Playing Game. As part of this project, I have taught myself the Unity Engine from Brackey's YouTube Tutorial series. The game is built in Unity with C#. All artistic and sound assets will be self-made. The game will include a 3D overworld layout with 2D player and non-playable character sprites.

“Sencillo” | Game Developer

August 2020

- Developed “Sencillo,” a 2D platformer in Godot Engine using GDScript
- Created pixel art for platforms, characters, backgrounds, and User Interface
- Used bfxr and sfxr software (open-source tools to develop simple sound effects)

Technical Skills

- Programming Languages: C# - Intermediate; Java - Advanced; Python - Intermediate; Swift - Intermediate
- Software: GIMP - Intermediate; SFXR (BFXR) - Advanced; Unity - Intermediate; Godot - Intermediate; Git - Intermediate; XCode - Intermediate

COMMUNITY SERVICE

As part of my membership in the Lower Merion Computer Science Club, I head the Teach Python Project, whose mission is to promote Computer Science to middle-schoolers, including underrepresented student populations. In the past year, I led a five-member team in teaching Python to about 100 middle-school students at Bala Cynwyd Middle School.

OTHER ACTIVITIES

Trumpet & Euphonium Lessons (Private)

2013 - Present

Tennis Lessons (Private)

2017 - March 2020