

Dachi Tarughishvili

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EDUCATION

New York University (GPA: 3.7) Computer Science Major, and Interactive Media Minor May. 2025

- *Relevant Coursework:* Discrete Mathematics, Algorithms, Data Structures, Computer Systems Organization, Operating Systems, Projects in Data Science
- *Thesis:* Developing EEG Based Neuroadaptive System for Emotion Regulation through Haptic and Biofeedback within a Virtual Reality Environment

European School (New School International School of Georgia)

May. 2020

International Baccalaureate Diploma - Salutatorian

PROJECTS

AstroMan (Unity, C#) (VR)

- Created original game demo based on swing joint mechanics.
- Developed in Unity, Tested on Meta Quest 2.

Too Close (HTML, CSS, JavaScript)

- Created original horror theme comic.
- Integrated interactive layout and web mechanics.

Zona (Unity, C#)

- Created Horror Game Demo.
- Developed in Unity.

Beneath (HTML, CSS, JavaScript)

- Created original audio interactive experience.
- Interviewed people about their fears and found creative way to integrate them on a website.

Lord of the Maze (JavaScript)

- Created LOTR inspired 2D Game developed in P5.
- Developed maze collision algorithm and original Perlin noise animation.

ThumbsWave Studio (JavaScript, C++)

- Created ML5 based visualization for sin wave forms.
- Developed Arduino based physical interface.

Beyond the Box (Unity, Mixamo, Rokoko)

- Created virtual body performance with Rokoko motion capture suit.
- Developed Unity scene for interactive performance nominated for NYU's IM showcase.

Work EXPERIENCE

IM Equipment Center

Abu Dhabi, UAE

Assistant

Mar. 2023 – Jun. 2023

- Organized, logged, and distributed equipment.
- Set up lighting equipment for film workshops and help in other administrative duties.

EU Neighbours east

Tbilisi, Georgia

Young European Ambassador

Oct. 2018 – Jan. 2021

- Conducted EU4youth workshop in Gori for more than 50 people and contributed to Clean Up initiatives in Kutaisi – Waste Free River.
- Attended conference – Georgia's European Way, took part in roundtable discussions with President of EU Council and Director of DG Near.

Education USA

Tbilisi, Georgia

Teaching Instructor

Apr. 2020 – Aug. 2020

- Mentored 15 students to help them better understand SAT physics concepts and mathematical nuances.
- Organized the free SAT physics content material and designed homework exercises.
- Tracked student progress through Zoom quizzes.

Ministry of Foreign Affairs of Georgia

Tbilisi, Georgia

Intern at International Economics Relations Department

Jun. 2019 – Aug. 2019

- Helped with organization of various meetings and economic committees.
- Prepared/Translated official letters and provided analytical digests.

SKILLS & INTERESTS

- *Awards:* IB Diploma Program with Full Ride Scholarship from European Union, 1st place in UG Limes Electronics and Robotics Conference
- *Technical:* IT Troubleshooting, HTML (Intermediate), PHP (Basics), CSS (Intermediate), JavaScript (ML5), MySQL (Basics), C# (Basics), C++ (Basics), Unity, R (Basics), Python (Intermediate).
- *Language:* Georgian (Native), English (Advanced – TOEFL 110), Russian (Upper Intermediate), French (Intermediate)
- *Leadership:* Managing Project, Team Collaboration, Monitoring and Teaching, Initiative, Adaptability
- *Design:* Adobe Photoshop, Adobe Lightroom, Adobe Premiere Pro, Adobe InDesign, Figma, Office Suite, Google Suite
- *Interests:* Interactive Applications, InfoSec, Filmography, Photography