ALEXANDER PORTLAND

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EDUCATION

Brown University   Providence, RI | Expected Graduation 2026

Sc.B. in Computer Science, A.B. in International and Public Affairs, GPA: 4.0
- Courses Include: Accelerated Intro to Computer Science, Principles of Econ, *Fundamentals of Computer Systems, Intro to Discrete Structures & Probability, Intermediate Microeconomics (italics = Spring 2023)*

West Morris Mendham High School   Mendham, NJ | Sept. 2020 to June 2022

International Baccalaureate (IB) Diploma, GPA: 4.2 (out of 4.3)
- High Honors, Varsity Cross Country, National Honor Society, French National Honor Society

Istanbul International Community School   Istanbul, Turkey | Sept. 2018 to June 2020
- HS Male Performer of the Year ('19), 2nd place Impromptu Speaking in Central/Eastern European Schools Association ('20), Refugee Outreach Committee Sub-group Leader, Peer Speech & Debate Coach

SKILLS & INTERESTS

Languages: French (Intermediate), Arabic (Beginner)
Programming Languages: Proficient in C, C++, C#, Java, HTML/CSS, JavaScript, Python; Exposure to SQL
Tools: Proficient with VSCode, GitHub, Unity, Blender; Exposure to TensorFlow
Interests: Jazz saxophone, cricket, baseball, chess, baking, country music

PROJECTS

Storytelling & Group Bonding Web App (Live Site)   Oct. 2022
- Developed & launched web app with team of 2 others using HTML, CSS, Firestore & React at HackHarvard

Calculus Training Website (GitHub, Live Site)   Nov. 2021 to Present
- Designed calculus practice website to assist classmates studying for Advanced Placement and International Baccalaureate calculus exams using HTML, JavaScript and CSS to implement LaTeX notation
- Created a framework to procedurally generate unique practice problem sets with detailed explanations

Pioneer Summer Research Program (Final Paper)   Summer 2021
- Conducted research with NYU Professor Colette Mazzucelli on the effect of the Syrian Refugee Crisis on EU-Turkish Relations (including interviewing members of the Syrian Emergency Task Force)
- Described by Professor Mazzucelli as *"an excellent addition to the literature"*

Airline Optimization Machine Learning Algorithm (GitHub, Documentation)   Sept. 2019 to June 2020
- Built neural network plane navigation system and generational machine learning algorithm from scratch in C# to make flight paths 24% more fuel-efficient: reducing carbon emissions and airlines' fuel costs
- Awarded a rare 32/32 perfect score by International Baccalaureate graders (for IB Personal Project)

VOLUNTEERING

Brown Refugee Youth Tutoring & Enrichment, *Tutor*   Sept. 2022 to Present
- Currently tutoring two Syrian children (aged 15 & 8) twice a week, focusing on ESL and Math
- Striving to be a role model and build strong personal relationships with them and their family

Mendham HS Amnesty International & UNICEF Club, *President*   Sept. 2020 to June. 2022
- Coordinated 40 club members to raise over $2,000 for charity each year through 4 seasonal fundraisers
- Pioneered new winter fundraiser for refugee communities in Turkey displaced by the Syrian Civil War