

Seowon Chang

426 Longleaf Dr. | Venetia, PA 15367 | Phone: (412)-780-9382 | E-Mail: seowon_chang@brown.edu

EDUCATION

Brown University

Providence, RI | Expected Graduation: May 2025

Bachelor of Science: Applied Mathematics and Computer Science

Relevant Courses: Honors Linear Algebra, Honors Statistical Inference I, Introduction to Object Oriented Programming, Program Design with Data Structures and Algorithms, Applied ODEs, Introduction to Computer Systems (Fall 2022), Deep Learning (Fall 2022), Abstract Algebra (Fall 2022)

Peters Township High School, 4.00/4.00 Unweighted GPA

McMurray, PA | Class of 2021

EXPERIENCE

Dream Tank

Remote | June 2022 – Present

Summer Intern at Youth Education Company

- Outlined proposal for a mini-game for the company's next educational game, Island 17
- Full-stack game development in Vatom Spaces (NodeJS)
- Basic exploration of different database options for future usage in game (MySQL, AWS, PlayFab, Back4App)

Dream Tank

Remote | December 2021 – January 2022

Winter Intern at Youth Education Company

- Collaboratively developed a prototype of a level of the company's next educational game, Island 17 (Unreal and Unity)
- Coordinated with the CTO to establish the technical collaboration platform for the game development (Unity Teams)
- Presented a demo of the prototype to potential investors

Simcoach Games

Pittsburgh, PA | June 2021 – August 2021

Summer Intern/Apprentice at Educational Video Game Company

- Development experience in C# through Unity Engine
- Created 2D and 3D game models Krita and Autodesk Maya
- Created two original, presentable game prototypes as part of a team of interns

LEADERSHIP/ENGAGEMENT

Global Research and Consulting

Brown University | February 2022 – Present

General Body Member

- Researched grant opportunities for the client, Museum of Contemporary Art Santa Barbara
- Provided a set of deliverables (grant calendar, grant eligibility information) to the client

Brown University Chess Club

Brown University | September 2021 – Present

General Body Member

- Attend weekly meetings to play matches with other students

Cybersecurity Club

Peters Township High School | September 2018 – May 2021

Co-Founder, Co-President

- Co-founded the first cybersecurity club at Peters Township High School

PROJECTS/COMPETITIONS

Project: Movie Review Sentiment Analysis (Python)

July 2022

<https://github.com/Tchang27/SentimentAnalysis>

- Neural network models that can classify movie reviews using numpy and sklearn
- Concepts: Machine learning, neural networks, data visualization, model optimization, object oriented design

Project: Markov Chain Text Generator (Python)

June 2022

<https://github.com/Tchang27/MarkovTextGenerator>

- Program that can generate sentences in the style of a given text using Markov Chains
- Concepts: Markov Chains, data scraping, CSV parsing, data preprocessing, linguistics, object oriented design

Participant in Hack@Brown 2022

January 2022

Annual hackathon hosted by Brown University

Air Force Association's CyberPatriot Competition

September 2018 – May 2021

CyberPatriot is the world's largest cybersecurity competition that takes place yearly, open to all schools and approved organizations

- Placed 2nd (Platinum Tier) and 3rd (Platinum Tier) at the state level in 2020 and 2021

SKILLS & INTERESTS

Technical Skills: Microsoft Office (Excel, PowerPoint, Word), Google Apps, Autodesk Maya, Unity, Unreal Engine

Computer Languages: Python, Java, Golang, C#, NodeJS