

MARCUS WINTER

BROWN UNIVERSITY M.S. '26
COMPUTER SCIENCE



OBJECTIVE

Seeking career in software or game development post Master's completion in May 2026

SKILLS

C++, Java, Python, Flutter
JavaScript, HTML, CSS, React
MATLAB, Power BI, Excel,
OpenGL, UE5

EXPERIENCE

Game Engine development
Full stack development
Team programming (Git)
2D/3D Graphics rendering
UI/UX

REFERENCES

Richard Perl – *Chief Administrative Officer at TerraCycle inc.*

richard.perl@terracycle.com

James Tompkin – *Associate*

Professor at Brown University

james_tompkin@brown.edu

Rufus Biggs – *Ast. Head Coach (Men's Crew) at Brown University*

rufus_biggs@brown.edu

CONTACT

Phone (US)

(401) 537-9663

Email:

marcus_winter@brown.edu

EDUCATION

Master's Student in Computer Science, Brown University 2026

Awarded B.S. in Applied Mathematics – Computer Science from Brown University, 2025

WEBSITE

<https://mwinter02.github.io/>

For projects and more information, [please check out my website!](https://mwinter02.github.io/)

WORK EXPERIENCE

COURSE DEVELOPER

BROWN UNIVERSITY

OCTOBER 2025 – FEBRUARY 2026

Developed course materials for CSCI 1950U - "3D Game Engine Development". Primarily tasked with creating a new stencil codebase in C++ utilizing OpenGL. Also worked on developing new homework assignments to teach course content, including GJK/EPA collision algorithms in 3D.

HEAD TEACHING ASSISTANT

BROWN UNIVERSITY

AUGUST 2025 – JANUARY 2026

Worked as Head Teaching Assistant for the course CSCI 1950N - "2D Game Engines". Responsibilities included delivering weekly lectures, distributing course content, managing workload and direct teaching interactions with students in forms of mentor meetings and office hours.

EXECUTIVE INTERN

TERRACYCLE INC

JUNE 2024 – DECEMBER 2024

Developed a visual dashboard utilizing Microsoft Power BI using data from a SQL database to display performance metrics. Worked with the executive team to deliver an internal tool for analytics and marketing.

RESEARCH INTERNSHIP

SANDFIELD NZ

JUNE 2023 – SEPTEMBER 2023

Worked on a project utilizing MATLAB for data management and presentation. Also performed research on SQL databases and AWS integration solutions.

GENERAL INFORMATION

Rowed competitively for the past 10 years. D1 for past 4 years.

Ivy League Champions 2024 with Brown Men's Crew.

Enjoy freediving and spearfishing in my free time.

Passionate about games, apps, and computer graphics.