

MARCUS WINTER

BROWN UNIVERSITY M.S. '26
COMPUTER SCIENCE



OBJECTIVE

Seeking career in software engineering 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

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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!

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 INTERN

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.