

## 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](mailto:richard.perl@terracycle.com)

**James Tompkin** – *Associate*

*Professor at Brown University*

[james\\_tompkin@brown.edu](mailto:james_tompkin@brown.edu)

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

[rufus\\_biggs@brown.edu](mailto:rufus_biggs@brown.edu)

## CONTACT

**Phone (US)**

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**Email:**

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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.