Kai A. Maffucci

EDUCATION & CREDENTIALS

University of Rhode Island, Kingston, RI — May 2026
Bachelor of Science in **Computer Science** — GPA 3.84/4.00
Minors in Mathematics and Creative Writing

South Kingstown High School, Wakefield, RI — June 2022
Computer Science Pathway CTE

AWARDS & HONORS

Achieved Dean's List all semesters at URI
Tied for first place in the Nancy Potter Creative Fiction writing contest for Short Story
First elected president of the URI Philosophy Club

SKILLS

Coding: Bash, C/C++, Python, Rust; git version control; basic familiarity with Asteroid, Awk, BASIC, C#, Forth, Go, Haskell, HTML/CSS/JavaScript, J, Java, LISP, Prolog, SQL/databases, Arduino, Raspberry Pi; understanding of low-level programming concepts; Markup and LaTeX; VS Code and IDE experience
Software: Linux and Windows experience; familiarity with Microsoft software suite (Word, Excel, etc.); basic Docker knowledge; general computer knowledge
Product Development: Familiarity with SCRUM and AGILE practices
Interpersonal: Collaborative and communicative skills; problem-solving and critical thinking; cross-functional teamwork; technical, professional, and creative writing skills
Language: Basic Ukrainian language skills

SOFTWARE EXPERIENCE

Algorithms for Big Data — Researcher — January - May 2025

- Implement and develop the Hausdorff meta-distance function generic over any given data type
- Evaluate and revise for GitHub workflow test cases
- Profile containing my forked repository: https://github.com/KaiMaffucci

University of Rhode Island — Teaching Assistant — September 2025 - present

- Employ analytical thinking techniques for problem-solving; assist students during class time
- Host and schedule office hours to provide additional assistance to students
- Efficiently grade student assignments on time

ADDITIONAL EXPERIENCE

Pow! Science!, Wakefield, RI — Sales Associate & Party Host — July 2022 - present

- Present high level of customer service when engaging with shop and event patrons
- Communicate complex, scientific ideas to a broad, general audience
- Manage supplies and schedules to professional standards

CAMPUS INVOLVEMENT

Member, Horticulture Club, URI — Spring 2025 - present

- Learned plant and gardening skills through hands-on experience in large groups

Co-leader, Philosophy Club, URI — Fall 2022 - present

- Organize and communicate meetings and events for all members
- Construct an engaging and inclusive environment to encourage participation