

# Oliver Krisetya

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## EDUCATION

### The George Washington University

*Dual Bachelor of Science and master of Science in Computer Science*

*Music Minor*

Washington, DC

May 2026

- Technical GPA: 3.76
- Stephen Joel Trachtenberg Full-Ride Scholarship, 2021
- Dean's List
- Design Build Fly, Rocket Team

**Relevant Courses:** Machine Learning, Artificial Intelligence, Advanced Operating Systems, Computer Architecture, Data Structures & Algorithms

## SPECIAL SKILLS/CERTIFICATIONS

**Languages:** Python, C, Java, JavaScript, TypeScript, SQL, Bash

**Systems:** Linux/Unix, POSIX APIs, Networking, Debugging

**Tools:** Git, Docker, Makefiles, GDB, Valgrind

**Frameworks:** PyTorch, React

**Databases:** PostgreSQL, MySQL, SQLite

## EXPERIENCE

### George Washington University - Department of Computer Science

Washington, DC

*Graduate Teaching Assistant*

August 2025 - Present

- Designed and delivered programming assignments for a graduate **Computer Systems Fundamentals** course, authoring C projects and assessments aligned with core systems concepts.
- Built and maintained **autograders, test harnesses, and GitHub Classroom workflows**, ensuring consistent, reproducible grading across course offerings.
- Leading curriculum development for an undergraduate **Databases & Team Projects** course, including lab design and coordination of two undergraduate TAs.

*Undergraduate Teaching Assistant*

August 2024 - May 2025

- Supported **Operating Systems** and **Computer Architecture** courses, debugging C and Assembly programs, and clarifying low-level execution and memory concepts.
- Designed and validated homework test cases and lab materials, improving assignment robustness and reducing ambiguity.
- Led lab sessions and office hours, handling grading edge cases and technical questions requiring deeper systems knowledge.

*Learning Assistant*

August 2022 - May 2024

### George Washington University Esports

Washington, DC

*President*

January 2025 - Present

- Lead a **200-member organization across 12 competitive and casual teams**, overseeing budgeting, scheduling, recruitment, and strategic planning.
- Manage and coordinate **five executive officers and additional board members**, establishing operational structure and accountability across departments.
- Represent the organization to the university and external partners (including **ECAC**), contributing to membership growth, increased engagement, and competitive success across league play.

*Executive of Competition*

January 2023 - January 2025

*Competitive Organizer*

August 2021 - January 2023

## PROJECTS

### George Washington University - Department of Computer Science

Washington, DC

*Minilab Research Project*

May 2025 - Present

- Conducting **comparative evaluation and data validation** of binary size-reduction techniques for **embedded systems**, analyzing the effectiveness of competing ELF-shrinking methods
- Designed and executed a **benchmarking framework** to measure binary size changes across multiple tools and configurations, enabling apples-to-apples comparison