
EDUCATION

Ph.D., Computer Science, Boston University <ul style="list-style-type: none">• Specialization in Real-time Operating Systems• Advisor: Richard West	Start 09/2025
B.A./M.S., Computer Science, Boston University <ul style="list-style-type: none">• Cumulative GPA: 3.73/4.0	05/2025
Boston Latin School	06/2021

SKILLS

- **Programming Languages:** C, Python, Bash
- **Tools & frameworks:** Kubernetes, Docker, Git, Emacs, Google Cloud Services
- **Specialties:** CI/CD, Real-Time Operating Systems, Kernel Development

PROJECTS

Omnitest <ul style="list-style-type: none">• Built a language-agnostic testing framework for CI/CD testing	01/2025
Bits of CS Inc. <ul style="list-style-type: none">• Founded a nonprofit, free online education.• Authored a college-level curricula computer science textbook, published online at https://bitsofcs.com	03/2023 - Present
Standalone Operating System <ul style="list-style-type: none">• Co-developed a virtual disk in C and Assembly on intel i386 architecture with FIFO thread scheduling, inode-based file system, dual-mode system calls, and memory mapping	12/2023

WORK HISTORY

ProDex Labs, Boston, MA , Software Engineer - Contracted <ul style="list-style-type: none">• Orchestrated AI Agentic workflows which optimize manufacturing simulations• Deployed web app to Google Cloud	05/2025 - Present
Red Hat, Boston, MA , Cloud Engineer Intern <ul style="list-style-type: none">• Unikernel Linux: Hacked Linux with Professor Orran Krieger, PhD, to dynamically link applications to the kernel for performance gains in industrial workloads (e.g., improved Redis throughput by 22%)• OPE Gradescope Bridge: Implemented scalable OpenShift service REST API for grading student assignment code in Open Education Framework• OPE Testing: Automated testing in container build process with GitHub Actions shell and Jupyter Notebook tests; reduced container build time by 70% using mamba	09/2023 - 07/2024
Boston University, Boston, MA , Teaching Assistant <ul style="list-style-type: none">• Taught CS 131 (Combinatorics) for two semesters and CS 330 (Algorithms) for 5 semesters	09/2022 - 05/2025

PUBLICATIONS

- R. Mikulskis, P. West, R. Syed, Z. Ruan, and R. West. “**RT-DDS: A Real-Time Data Distribution Service for Task Pipeline Processing**”. Manuscript in preparation.

HONORS AND AWARDS

- **Hariri Institute Student Excellence Award**, Boston University **06/2024**
- **Student Academic Enhancement Fund (for Bits of CS Inc.)**, Boston University **10/2023**
- **Thomas M. Menino Scholarship recipient (merit, full-tuition)**, Boston University **03/2021**
- **All-State Jazz Trumpet - 2nd place**, MMEA All-State **01/2021**

VOLUNTEER WORK

Big Brothers Big Sisters of Eastern Mass <ul style="list-style-type: none">• Volunteer Big Brother in BU community program, meet with brother every 2 weeks	10/2023 - Present
Charity Runner in Falmouth Road Race <ul style="list-style-type: none">• Raised \$850 in funds for <i>Soccer Without Borders Boston</i>	08/2023
Fundraising Chair, Phi Kappa Tau <ul style="list-style-type: none">• Organized a concert with Berklee student-led bands with net profit of \$800	01/2023 - 05/2023