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### **EDUCATION**

### **Boston University**

MS Computer Science

Expected 05/2025

• Dual degree program with BA

BA Computer Science

Expected 05/2025

- Cumulative GPA: 3.7/4.0
- Thomas M. Menino Scholarship recipient (full-tuition)
- Notable Courses: Cloud Computing (CS 528), Operating Systems (CS 552), Algorithms (CS 630), Machine Learning (CS 542), Functional Programming (CS 320)

### WORK HISTORY

## Systems Researcher, BU Red Hat Collaboratory

09/2023 - Present

- Unikernel Linux: Hacked linux to dynamically link applications to kernel for performance gains in industrial workloads (e.g. improve 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

## Teaching Assistant, Boston University, Boston, MA

09/2022 - Present

- Taught CS 131 (Combinatorics) for two semesters and CS 330 (Algorithms) for 3 semesters
- Lead 2 hours of classroom discussions and 3 office hours each week
- Curate weekly problem sets in graph analysis and dynamic programming
- Grade student exams

# PROJECTS (www.github.com/rkulskis)

# Fraternity App, Independent

01/2024 - Present

- Leading an agile team in developing an app in FlutterFlow to help greek life organizations orchestrate events with a shared calendar and send messages
- Prototyed designs in Figma for Phi Kappa Tau

#### Bits of CS Inc., Independent

03/2023 - Present

- Founded 501(c)(3) nonprofit for free online education.
- Authoring a computer science textbook covering college-level curricula (www.bitsofcs.com)
- Earned \$700 from BU Student Academic Enhancement Fund

#### Standalone Operating System, School

12/2023

• 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

## SKILLS AND INTERESTS

- Coding Skills: Python, Rust, C/C++, JavaScript, Docker, GitOps, Bash, OCaml, SQL, Go, Open-Shift, Emacs, FlutterFlow, Typescript, HTML, Nextjs, Figma
- Interests: Operating systems, blockchain, charity, Jazz trumpet, guitar, magic tricks, fitness

# VOLUNTEER WORK

## Big Brothers Big Sisters of Eastern Mass

10/2023 - Present

- Volunteer as a Big Brother in BU on-campus community program
- Connect for 4 hours through sports and games with little brother every 2 weeks

## Charity Runner in Falmouth Road Race

08/2023

• Raised \$850 in funds for Soccer Without Borders Boston

# Fundraising Chair, Phi Kappa Tau

01/2023 - 05/2023

- Installed shared Linux server for STEM majors in fraternity
- Organized a concert with Berklee student-led bands with net profit of \$800

# HONORS AND AWARDS

• Cannabis Startup Competition Finalist, Boston University

11/2022