

Mark Bestavros

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EDUCATION

BA/MS Degree in Computer Science from Boston University

(Class of 2019)

- Cumulative GPA: 3.3; Computer Science GPA: 3.55

Coursework Focus Areas

- Security/Cyber Law (Applied Crypto, Network Security, National Security and Technology)
- Data Science (Data Mechanics, Tools for Data Science, Differential Privacy)
- Systems (Fundamentals of Computing Systems, Networks)
- Theory (Advanced Algorithms, Crypto Theory)

TECHNICAL SKILLS

Python (*Experienced — primary language used for most work projects*)

Git (*Experienced — used every day, in personal and professional contexts*)

CI/Github Actions/Project Automation (*Experienced — primary job responsibility on the Enarx project*)

Linux/Containers (*Experienced — used every day at Red Hat and during my work at MITRE for Summer '18*)

Java/Android (*Experienced — first language; highly used in coursework; worked with Android for two internships*)

Others: *web (personal projects), Rust and Go (for small stints at Red Hat)*

WORK EXPERIENCE

Current: Software Engineer, Red Hat

(June'19-Present)

- Office of the CTO Security team: bootstrap nascent open-source security projects into strong upstreams, with a strong focus on secure supply chain
- Projects contributed to: [Sigstore](#) (cosign, fulcio), [Keylime](#), [Enarx](#)
- Selected highlights: revamped Keylime policy APIs and cryptography, added support for AWS CloudHSM to sigstore/fulcio, CI/automation development for Enarx

Software Engineering Intern, Part-Time, Red Hat

(Oct'18-June'19)

- Contributed to Keylime: cloud-native remote attestation w/ TPMs [\[Github\]](#)

Software Developer Intern, MITRE

(Summer'18)

- Contributed to the PSM, an open-source healthcare application [\[Github\]](#)
- Participated in the MITRE eCTF, a hands-on security/crypto experience

Android Developer Intern, VMware

(Summer'17)

- Worked on the Workspace ONE Android app, prototyping and testing new features

Developer Intern, Hitachi Data Systems

(Summer'16)

- Worked with the HCP Anywhere team to update/modernize their Android app

Course Assistant, Introduction to Computer Science I and II

(Sep'15 - Dec'16)

- Held office hours, ran a lab, taught key skills such as debugging and code etiquette

SELECTED RESEARCH

Project: Algorithmic Optimizations of Boston's Public Bus Network [\[poster\]](#)

(Fall'16 – Fall'17)

- Started as a Data Mechanics [\[link\]](#) class project to improve Boston's public bus system
- Developed optimizations for bus stop placement and efficient bus allocation

EXTRACURRICULAR ACTIVITIES, HACKATHONS, STUDY ABROAD

Organizer, BostonHacks [\[link\]](#)

(Aug'15 – Dec'18)

- BU's student-run hackathon, attracting hundreds of students from around the US

Board Member, BUILDs [\[link\]](#)

(Sep'16 – April'18)

- Boston University's student-run hackerspace, where I ran/taught workshops

Rabat, Morocco Intensive Arabic Language Study Abroad Program

(Summer'15)

- Eight-week study abroad program with intense focus on Arabic language
- Immersive learning: homestay living w/ Moroccan family, conversed in Arabic/French