

# 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