Mark Bestavros

Contact: markbest@bu.edu | Github | LinkedIn

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 — used extensively across many courses and in my work/research)*
Git *(Experienced — used every day, in personal and professional contexts)*
CI/Project Automation *(Experienced — primary job responsibility for Enarx)*
Java/Android *(Experienced — first language; highly used in coursework; worked with Android for two internships)*
Docker/Containers *(Familiar — used during my work at MITRE for Summer '18 and at Red Hat)*
Web/d3.js *(Familiar — part of my research project for Data Mechanics in Fall '16 and in personal projects)*
Rust *(Familiar — used during my work at Red Hat for Fall '18 – December '19)*

WORK EXPERIENCE

Current: Software Engineer, Red Hat   **(June'19-Present)**
  – Office of the CTO Security team; currently contributing to the Enarx project [site]
  – Developing fully-open CI/project automation/testing; prototyped WASM runtimes
Software Engineering Intern, Part-Time, Red Hat   **(Oct'18-June'19)**
  – Contributed to the Keylime project: abstracting Intel TPM to the cloud [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
Boston University Pep Band 1st Trombonist   **(Sep'14 – Dec'17)**
  – Perform at university engagements and sporting events