Andrew Crofts

(631) 629-9127 ♦ andrew.crofts@tufts.edu ♦ https://github.com/acrofts040

EDUCATION

Tufts University, Medford, MA
Bachelor of Science in Computer Science, Expected Graduation: May 2022
Relevant Courses: Circuits, Data Structures, Discrete Math, Cybersecurity, Algorithms, Programming Languages, Artificial Intelligence, Computation Theory

---

SKILLS

Software/Tools: Microsoft Office, Google Drive, MATLAB, Vim, Linux, Kali Linux, Github, Selenium, RobinHood API, Reddit API, Flask, Wireshark, JohnTheRipper, R
Programming Languages: C++, Python, C, HTML, Smalltalk, Standard ML
Foreign Language: Proficient in Italian

EXPERIENCE

Code For Good, Tufts University Medford, MA
Developer, National Motor Freight Traffic Association, June - August 2020
- Worked with a team to design an open source Python wrapper for the National Motor Freight Traffic Association's Bouncer API, adding functionality to the firewall to dynamically respond to threats
- Coordinated with 2 other team members to meet deadlines for demos

Wendy's, East Northport, NY
Crew Member, June - August 2018, June - August 2019
- Addressed urgent issues quickly and independently, ensuring customer well being while maintaining service efficiency
- Trained new team members when manager was unavailable

PROJECTS

Tufts Polyhack, Medford, MA
Team Member, October 2019
- Designed and programmed a system for continually tracking, and displaying information on each bike within TuftsBikes, the University bike rental service

SmallTalk Natural Number and Integer Type System
- Built a simple type system using smalltalk
- Circumvented case analysis through method dispatch

Python Incident Alarm
- Given network packet flow, identifies whether the network is being scanned and if so what type of scan

---

EXTRACURRICULAR ACTIVITIES

JumboSEC, Medford, MA
Club Member, October 2019 - Present
- Analyze hypothetical security breaches and explore the political and technological ramifications, as well as the processes used to cause the breach
- Discuss current events and brainstorm effective methods to address breaches

Theta Chi, Epsilon Theta Chapter, Medford MA
Chapter Secretary, November 2020-Present
- Organize and maintain fraternity documentation and membership
- Regulate calendar and help to schedule events such as community service and civic engagement

HackRPI
Judge, November 2020
- Judged with a panel of computer scientists projects submitted by RPI students for their 2020 hackathon