Edward Shen

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Education

Northeastern University Boston, MA — Sept. 2017–Present
Khoury College of Computer and Information Sciences

Degree: Candidate for a Bachelor of Science in Computer Science — May 2021
Honors: 3.81 GPA, Dean's List
Relevant Courses: Data Collection, Integration, and Analysis; Machine Learning/Data Mining 1; Algorithms and Data; Object-Oriented Design; Networks and Distributed Systems

Skills

Languages:
Proficient: Java, JavaScript (Node.js), HTML5, CSS
Familiar: Rust, Python, Sass
Explored: C/C++, Ruby, Racket
Libraries: React, GraphQL
Other: Git, Jekyll, Linux
Certifications: CompTIA A+, Dell Certified Technician, Apple Certified Mac Technician

Experience

Computer Experience Technician ResNet Resource Center — Sept. 2017-Present
At Northeastern University

- Quickly triaged and analyzed computer issues reported by university students.
- Assigned technicians to work with customers or on specific incidents based on individual capabilities and specializations.
- Performed all forms of remediation with a focus on Dell hardware issues.
- Led and advised technicians as problems with remediation arise.

Projects

Dotfile

- Command line application to manage configuration files for an Arch Linux installation and package installer for a new installation of Arch Linux
- Automated management of multiple configuration groups and installations, permitting modular configuration and selection.
- Pre- and post- install script hooks allow for extensible functionality for non-standard installations.

MagicMirror² Modules

- Developed multiple modules for smart mirror platform MagicMirror.
- Interfaced with MBTA API to create an information module.
- Implemented efficient solution to multiplex MagicMirror UI into separate pages.
- Performed bug fixes on upstream core MagicMirror modules.

Harmony

- Peer-to-peer encrypted group messaging system based on the (n+1)sec protocol, offering deniable distributed communications and forward secrecy.
- Winning entry of HuskyHacks 3, Northeastern University's 36-hour hackathon.
- Utilized the Spread toolkit to ensure message order and consensus over distributed network.