

Edward Shen

Available Summer 2019



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Education

Northeastern University Boston, MA
College of Computer and Information Sciences

Sept. 2017–Present

Pursuing Degree: BS in Computer Science with Data Science concentration. Mathematics minor.
GPA: 3.74

Expected Graduation: May 2021
Relevant Expected and Completed Courses: Data Collection, Integration, and Analysis; Computer Systems; Logic and Computation; Probability and Statistics; Algorithms and Data; Object-Oriented Design; Networks and Distributed Systems

University At Buffalo Buffalo, NY
College of Arts and Sciences

Sept. 2016–May 2017

Enrollment Type: Dual enrollment
Related Courses: Multivariate Calculus, Introduction to Linear Algebra

Skills

Languages: *Proficient:* Java, JavaScript, HTML5, CSS
Familiar: Python, Sass
Explored: C/C++, Ruby, Racket

Frameworks/Libraries: Nodejs, React
Other: Git, Jekyll

Certifications: CompTIA A+, Dell Hardware Certified Technician

Experience

Administrative Specialist; Certified Hardware Technician ResNet Resource Center
At Northeastern University

Sept. 2017–Present

- > Triage 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.
- > Supported and advised technicians as problems with remediation arise.

Google Cloud Platform Student Innovator Vaco
At Northeastern University

Aug. 2018–Present

- > Will offer Google Cloud Platform consultation and solutions for students and professors with their projects and educational goals.
- > Lead informational meetings and training sessions on Google Cloud Platform products.
- > Will report to the Google Cloud Platform teams to provide feedback.

Projects

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.
- > Used the Spread toolkit to ensure message order and consensus over distributed network.

MagicMirror² Modules

- > Interfaced with MBTA API to create an information module about a specific station.
- > Implemented an efficient way to multiplex the MagicMirror interface into separate pages.
- > Performed bug fixes on upstream default pre-packaged modules.

Fully Customized DIY Keyboard

- > Built a fully personalized 61-key (60%) keyboard that utilizes the open source QMK firmware.
- > Soldered and selected all components of the keyboard, including keycaps, PCB, and switches.
- > Modified keyboard firmware to add macros, keyboard layers, and RGB layer indicators.