Shirali Husan

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TECHNICAL EXPERIENCES 4+ years

US State Dept. Information Management Bureau, Foreign Operations Intern   *REMOTE* | **MAY 2021 – AUG. 2021**
- Supported State Department-wide operations, including products and services domestically and abroad
- Analyzed ticketing data, collected user reports on IT issues, and created & advocated solutions
- Assisted Mission Critical Travel division and Department's effort to maintain and secure IT infrastructures at post

Northeastern University Dept. of Computer Science, Teaching Assistant   *BOSTON, MA* | **Jan. 2021 – PRESENT**
- Instructor for course on Data Structures, Algorithms, and their Application within Computer Systems
- Tutor students in C, Java, Python, JavaScript and support student projects and application development
- Provided one-on-one support for concepts and theory along with debugging sessions
- Develop creative assignments to keep student engaged and test scripts; automate grading process.

Fulcrum Challenging Ideas, Co-Founder/Full Stack Developer   *NORTHFIELD, VT* | **SEPT. 2016 – AUG. 2018**
- Founded Fulcrum Challenging Ideas™ (FCI), the first open-source counter-extremist social media
- Awarded by the US Department of State and Vermont Senator Leahy for initiative in application security
- Created EMIT (Extremist Mimicry Interception Tool) to intercept and extremist recruiting processes
- Designed and developed Architectural level pattern using Spring MVC pattern
- Implemented RESTful web services for feeding JSON data to the frontend
- Used HTML, JavaScript, CSS to design the web pages in frontend
- Implemented client-side validation using JQuery Form Validator
- Deployed site's UI layer using XML, JavaScript, JQuery HTML5, Ajax, CSS3, JSON, React, Bootstrap
- Used Git version control technology and JIRA to track problems
- Awarded by the US Department of State and Vermont Senator Leahy for initiative in application security

Projects

nuHabit Go to the Web Application | **MAY 2021 – AUG. 2021**
Tech Used: React, Express, Node, MongoDB, Bootstrap, HTML/CSS
- Designed and implemented an elegant front-end application via React Components and Bootstrap
- Developed middleware and back-end application architecture using Express, Node, and GraphQL
- Integrated persistent data with MongoDB connection to back-end application
- Successfully handled over 50 active daily users

Mini-Shell | **MAY 2020 – AUG. 2020**
Tech Used: C & UNIX • Assembled a command line text processing program to interpret bash commands in C
- Integrated bash pipe command from scratch as well as multiple custom commands that allow users to access machine specific data

EDUCATION

Northeastern University, MS. Computer Science & Cyber Security   *BOSTON, MA* | **MAY 2022 (expected)**
- *Distinctions:* Top Secret Clearance, Foreign Affairs IT Fellow (US State Department)
- *Coursework: Algorithms, Object Oriented Design, Data Structure, Web Development, Computer System*

Norwich University, The Military College of Vermont, BA. International Studies   *NORTHFIELD, VT* | **2018**
- Cum Laude Graduate & U.S. Army ROTC Cadet