BHARAT MIDDHA

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EDUCATION

University of Illinois at Chicago (UIC) Expected: May 2021
Bachelor of Science in Computer Science GPA: 3.84 / 4.0
Relevant Coursework: Data Structures, Machine Organization, Languages and Automata Major GPA: 4.0/4.0

SKILLS

Programming and Web	: Node.js | C++ | C | HTML5 | CSS3 | Sass | TypeScript | JavaScript | Express.js | Vue.js
DevOps and SysAdmin	: Docker | Ansible | Linux Systems Adminstration | Networking
3D and Design	: Solidworks | Photoshop | Illustrator | InDesign
IoT	: Arduino | Raspberry Pi
Language	: Fluent in Hindi

RECENT PROJECTS

CS Lounge Display (Node.js, Express.js, JavaScript, CSS, SASS, HTML5, Raspberry Pi) June 2018
https://github.com/bmiddha/cs-lounge-display
- Project for the Computer Science Department at UIC.
- Displays upcoming events and messages from CS student organizations and the CS Department.
- Displays current weather and time.
- Hosted on a Raspberry Pi running a Node.js server and Chromium browser.

ACM/LUG Clock (Node.js, Express.js, JavaScript, CSS, SASS, HTML5, Raspberry Pi) June 2018
https://github.com/bmiddha/simple-js-clock
- Project for the Association for Computing Machinery (ACM) and Linux Users Group (LUG).
- Serves as a clock replacement.
- Uses Node.js to get data from the CTA, Google Maps and OpenWeatherMap APIs to display transit times, live traffic and weather.
- Hosted on a Raspberry Pi running a Node.js server and Chromium browser.

Archlinux Install Script - ACM@UIC (BASH) January 2019
https://github.com/bmiddha/archlinux-install-script-acm-uic
- BASH script which installs and configures archlinux ACM@UIC style.
- ACM@UIC style: Use local mirrors, mount file shares, join domain
- Includes functions to setup a server as a hypervisor with KVM and QEMU.

Linux Mirror Sync (BASH) June 2018
https://github.com/bmiddha/linux-mirrors-sync
- Easy to use BASH script to sync Linux mirrors.
- Easy to add and remove new mirrors and debug syncing errors.

WORK EXPERIENCE

Electronic Visualization Laboratory (EVL), UIC, Chicago IL Sept. 2018 - Present
Research Volunteer
- Gained experience using Node.js and Express.js to handle data requests primarily utilizing web sockets.
- Utilized Mongoose to interface with MongoDB to create schemas and store live data efficiently.
- Used Vue.js to create intuitive front end interfaces to interact with remote devices.
- Worked with various APIs for devices such as microphones and zwave devices.

UIC Tech Center, Chicago, IL May 2018 - Present
Retail Sales Aide
- Customer Service \| Maintaining inventory \| Marketing of products.
- Assisting customers with deciding the right tech product.
- Diagnosing customer product needs and issues and providing suggestions and solutions.

PROFESSIONAL ASSOCIATIONS

Linux Users Group (LUG), UIC Apr. 2018 - Present
Vice President \| System Administrator
- Presided and chaired events and meetings; represented the organization at all events \| Increased club membership by 25%.
- Organized events to educate students about GNU/Linux and Open Source software.

Women in Computer Science (WiCS), UIC Apr. 2018 - Present

Association for Computing Machinery (ACM), UIC Feb. 2018 - Present
SIG SysAdmin Member \| System Administrator
- Technogoies I worked with: Docker, Kubernetes, iptables, gitlab, chef, jenkins.
- Configured, monitored, upgraded and maintained systems hardware, software and related infrastructure.
- Organized events to educate students about system administration.

VOLUNTEER WORK

Office of International Services, UIC May 2018
Global Ambassador