

BHARAT MIDDHA

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EDUCATION

University of Illinois at Chicago (UIC)

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures, Machine Organization, Languages and Automata

Expected: May 2021

GPA: 3.84 / 4.0

Major GPA: 4.0/4.0

SKILLS

Programming and Web : Node.js | C++ | C | Java | HTML5 | CSS3 | Sass | JavaScript | Express.js | Vue.js

DevOps and SysAdmin : Docker | Ansible | Jenkins | Travis CI | Linux Systems Administration | 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.

Flourish! 2019 Website (JavaScript, CSS, SASS, HTML5)

July 2018

<https://github.com/FlourishConference/flourish-2019>

- Responsive website for the Flourish! Open Source Conference.
- Built using modern web technologies such as CSS3 and HTML5.

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

- Technologies 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