

Sagun Maharjan

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Education

Bachelor in Science - Computer Science
University of Louisiana Monroe (ULM)
GPA: 3.83/4.0 (Senior)

Aug 2015 – Dec 2018

Honors and Awards

- University of Louisiana Monroe, President's List (2015-2016), Dean's List (2016-2017)
- ULM Emerging Scholar Award (\$400 stipend for a standalone computational physics research project)

Work Experience

Full Stack Developer Intern

Dec 2016 – Present

University of Louisiana Monroe, Computing Center

- Migrated multi-hierarchical university's policy website from Drupal 7 to Drupal 8 creating an additional dashboard for content manager with CRUD operation and optimized comparison algorithm by 60%
- Sanitized MySQL databases of staff and student information eliminating errors by 100% using Selenium module
- Configured the local version control system (GOGS) with dedicated IP which increased collaborated development and productivity giving 100% uptime
- Improved user experience by updating the university's home page to support full mobile responsiveness with additional sidebar

Remote Virtual Software Engineering Intern

Jan 2017 - Present

Open Learning Exchange, Cambridge, MA

- Tested Raspberry-Pi servers with Vagrant and accurately predicted the threshold traffic load of the servers
- Enhanced documentation of the e-learning software (Bell apps) adding additional support for Arch-Linux and Ubuntu
- Wrote automated selenium test cases in python 3 troubleshooting 30% of bugs in the UI components of the Bell Apps
- Worked with the collaborative team of 48 members using Git, GitHub, and Gitter fixing issues, approving pull request and merge requests for improving Bell apps.

Graphic Designer Apprentice

Aug 2015- Dec 2016

University of Louisiana Monroe, Office of Public Information

- Designed robust the trifold brochures, pamphlets and magazines using Adobe Creative Suite meeting marketing requirements
- Amplified and edited images using Adobe Photoshop and created logos and blue prints with Adobe Illustrator

Skills

- **Programming Languages:** Java (>20K lines of code), Python
- **Web development:** PHP (>20K lines of code), JavaScript (>10k lines of code), HTML5, CSS3
- **Frameworks and Libraries:** Nodejs, Expressjs, React, CodeIgniter, J2EE, Spring MVC, Spring Boot, Hibernate, Drupal, Wordpress, Enterprise Java Bean (EJB), Selenium, Struts, JDBC, Bootstrap
- **Templating Engines:** Jade, EJS, Handlebars, Twig
- **Data Visualization Tools:** D3.js, Numpy, pandas
- **Databases:** MySQL, MS SQL Server, MongoDB, CouchDB, Oracle Database
- **Designing Tools:** Autodesk 3d Studio Max, Autodesk AutoCAD, Adobe Creative Suite
- **Operating Systems:** LINUX (Kali, Ubuntu, CentOS, Raspbian, Fedora), Windows (2000, XP/NT, Vista, 7, 10)

Relevant courses

- ULM: Algorithm Analysis, Data Structures, Object oriented programming, Advanced Discrete Mathematics, Network and Data communication, Organization of Programming Languages, Computer Architecture, Theory of Database Management
- MIT Opencourseware: Introduction of Algorithm and Udemy: Data Structure and Algorithm
- Microsoft Certified Professional (MCP) and Adobe Certified Expert (ACE)

GitHub (Completed projects pinned): <https://github.com/sagun98>

Side-Projects

<http://ulmspider.co.nf/>

<http://ulmesp.co.nf/> <http://studentsubmission.16mb.com/>