Utkarsh Mishra

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Objective

To obtain a web-development internship starting MAY 2017.

Education

UNDERGRADUATE | STUDENT

· School: Michigan Technological University
· Major: Computer Science
· Expected Graduation: April 2018

Experience

PERSONAL PROJECTS

- **Tumblr**: A Web Application with same functionalities as **TUMBLR** app built using **Ruby on Rails**, HTML, CSS, SASS, HAML and DEVISE. Several Other Ruby Gems were also used for development as required.
- **Instagram**: A Web Application with almost same functionality as **INSTAGRAM** and same layout as the mobile application of Instagram built using **Ruby on Rails**, HTML, CSS, SASS, HAML and plenty of Ruby Gems as convenient.
- **Fan Forum:** A Web Application which serves as a **FORUM** for different users to create posts and receive comments and threads from fellow users, the application shares similar design to Hacker news**,** built using **Ruby on Rails**, HTML, CSS, SASS and some Ruby Gems.
- **Broadway:** A web application for the mobile application Broadway which gives ratings about movies and shows, this web app also shared some ideas with **IMDB,** built using **Ruby on Rails,** HTML, CSS, SASS and other Ruby Gems.
- **Task Manager:** A Web application that share basic idea with several mobile apps like **To-Do-List** to help people manage their tasks in a convenient manner, app was built using **Ruby on Rails,** HTML, CSS, SASS and ruby gems.

TEAM PROJECTS

- **Binary Battles**: A Web-based interactive video game developed for Students to learn about binary numbers using an interactive video game. The game was built using JAVASCRIPT, Quintus (JavaScript Gaming Engine) and php in a team of 4.
- **Enterprise Website**: A website for University Enterprise Blue Marble security was developed and still maintained in a team of 4. This website was built using JAVASCRIPT, php, HTML and CSS. The databases were handled using MySQL and hosting was handled using CPanel.
- **Safer Surfer:** A plugin for google chrome built to replace bad words on a website with good words to make web more clean and enjoyable for children. The plugin was written in JAVASCRIT and was presented in Winter Wonder Hackathon as a project built by a team of 3 in just 12 hours.

ONGOING PROJECTS

- **Blizzard Board:** An Android app that is going to serve as craigslist for students of our university so that they can create posts about things to sell or housing, etc. The app includes a lot of functionalities such as in-app messaging, calendar, events and group creation and is currently under development in a team of 5.

Skills & Abilities

PROGRAMMING LANGUAGES KNOWN:

- RUBY → Have a lot of experience developing ruby applications on rails
- JAVA → Wrote most of the school projects and heavy duty applications on JAVA
- C → Good amount of experience programming systems using C and its Libraries
- JAVASCRIPT → Most used web-programming language after Ruby.
- Php → Used this for most database driven projects.
- MySQL → All the databases applications were managed using MySQL
- Verilog → Designed Logical Circuits for a Projects using Verilog in Quartus.

FRAMEWORKS AND SOFTWARES

- Rails → Used this framework most of the time for developing beautiful websites.
- Android Studio → Have good knowledge of the entire SDK and developing experience.
- Mathematica → Used this software by wolfram alpha to solve complex math problem.
- Mutisim → Have fair amount of knowledge to create virtual circuits in MultiSim.
- MATLAB → Done several simulations on MATLAB for team projects.
- Quartus II → Wrote Verilog code to program circuits with Quartus II.
- MIPS → Assembly languages used to create low level programs for computer organization.
- GIT/GITHUB → Have good experiences in project tracking using Git and GitHub both

MANAGEMENT

- TEAM→ Completed enough projects in teams to know all perks and benefits of being in a team.
- LEADERSHIP → Have lead several times in a team to complete the project delivery effectively.
- RELATIONS → Being a team player, I have quality to adapt to people to get the best out of them.
- PERFORMER → Made sure every time that the performance is at peak and delivery is 100%.

Bonus

WEB HOSTING EXPERIENCE

- cPanel
- Google Cloud Platform
- Heroku Rails hosting
- AMAZON AWS

OTHER INTERESTS

- Formula 1
- Virtual Reality
- Video Making
- YouTube