Kartik Puranik Karkala

Front-End/Web Developer Intern
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Education

McGill University, Montreal

B.Eng in Computer Engineering
Expected Graduation: Dec 2017

Greenwood High International School, Bangalore

International Baccalaureate
2011-2013

Skills

Languages

- JavaScript
- HTML
- CSS
- Java

Libraries, Tools Frameworks

- jQuery
- Bootstrap
- Angular.js (Basic level)
- Foundation
- Linux
- Jade (Pug)
- Git
- JIRA
- Google Analytics

Links

LinkedIn:// kartikpuranik9
Github:// puranik9

Coursework

- Microprocessor Systems (FALL 2016)
- Control Systems (FALL 2016)
- Design Principles & Methods
- Intro to Software Engineering
- Digital Systems Design
- Computer Engineering
- Algorithms and Data Structures
- Foundations of Programming
- Electrical Measurements Lab
- Electric Circuits I & II

Experience

FixMeStick Technologies - Web Developer Intern (Full-Time)

May 2016 - August 2016

- Designed and deployed a modern, sleek & robust static website and store app, serving over 1000 visitors daily, leading to a 10% increase in conversion rate
- Involved in the creation of new server side - needed to support backend with daily average of 1000 device users - using Node.js/Express (to replace Python functionality), with tasks like templating webpages using Jade and using a localization library for global expansion

FixMeStick Technologies - Web Developer & Tier 2 Support Agent (Part-Time)

February 2016 - Present

- Self-learned Bootstrap on the job with basic experience in HTML/CSS and redesigned website pages to reflect more modern design methods
- Maintaining the static brand website and front-end of store app by developing changes in design regularly to increase conversion rate by 8% average every quarter
- Assisted customers facing issues with booting Windows & Mac OS after use of FixMeStick device through support line (Tier 2 level) and guided them through troubleshooting/repairs

Projects

FixMeStick Website (https://www.fixmestick.com | https://app.fixmestick.com/store)

Bootstrap, HTML, CSS, JavaScript

- Redesigned and developed main pages of static website like Homepage & Learn More, and store application, leading to 3% increase in conversion rate

Autonomous Robot Design Project - Capture the Flag (Design Principles & Methods Lab)

Java, LeJOS, Lego EV3 & Lego Sensors

- Created simple mechanical design for robust robot, further designed and developed source code to navigate, avoid obstacles, localize, maintain/correct position and pick-up/transport objects using threads

Virtual Resuscitation - CPR Training Environment (WearHacks Toronto - May 2015)

Oculus VR, Thalmic Myo Armband, Lua

- Created a semi-functioning prototype of a CPR training environment using VR headset and gesture control armband, receiving recognition from Montreal General Hospital
- Developed gesture control functionality for Myo using Lua

Bomberman (Intro to Software Engineering)

Java, Swing

- Co-designed and developed the UI in a team project aimed to create the classic Bomberman game using Java and MVC architecture