Dineth Hettiarachchi

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EDUCATION

University of Texas at Arlington
BS, Computer Engineering (Spring 2015)

PROFESSIONAL HISTORY

Lead Developer/Designer
PWD Group, Inc
June 2014 - Ongoing

Web Developer/Designer
Earth & Environmental Sciences Dept, UTA
May 2012 - December 2013

CORE SKILLS

Project Management, Problem Solving, Innovative, Creative and Critical Thinking

TECHNICAL SKILLS

Web Development
  - RESTful, AJAX, Polymer, Webcomponents, Bootstrap, Angular
UI/UX Desining
  - Adobe Photoshop, After Effects
Mobile Development
  - Android, iOS, Apache Cordova
Embedded Systems
  - PIC18, Arduino, Real-Time Data Aquisition
Parellel Programing
  - OpenMP, Windows Threading
Electronics
Network Systems
  - OSI Layer
Object Oriented Programming

LANGUAGES/TOOLS

HTML, CSS, JavaScript, PHP, Python, C, Objective C, Java, MATLAB, MySQL
Git, Xcode, Android Studio, Visual Studio, NetBeans, PyCharm

PROFILE

Computer Engineering senior with a strong background in web development, mobile app development, UI/UX designing, embedded programming and electronics.

EXPERIENCE/PROJECTS

Lead Developer/Designer [June 2014 - ongoing]
PWD Group, Inc
- Redesign and implement the main website for the company
  - Key Features: Marketplace, Careers section w/ ability upload resume
- Designed and implemented a web-based garage sale app
  - Key Features: Buy/sell goods, Integrated PayPal, Responsive UI
- Designed multiple websites for the Six Sigma/RFID conferences
- Developed quiz apps (Android & iOS) for students who are following Six Sigma/RFID SCP courses.

Project Manager | UI/UX Designer [August 2014 - ongoing]
Senior Design Capstone Project
- Design and implement a Volunteer Tracking System for the College of Engineering Board of Advisory at the University of Texas at Arlington.
  - Highlights: Push notifications using Firebase, UX/UI implementation using Polymer
  - Managing a team of 4 members

Packet Sniffer [March 2015 - April 2015]
Computer Networks Class Project
- Implemented a network packet sniffing program
  - Key Features: Capture and unpack packets transfering through a selected network interface, Analyze Ethernet frame, IP, TCP, UDP headers, Test the network throughput and graph in real-time

Smart Lamp [September 2014 - ongoing]
Phase 1 - Electronics Class Project
- Designed and implemented a Smart Lamp
  - Key Features: Emulates sunrise, Automated night lamp, Motion based
  - Utilized an Arduino/ATmega 328
  - Built a standalone power supply for the ATmega 328
Phase 2 - Extention of Class Project
- Implement a companion app for Android
  - Key Features: Connects via Bluetooth, Set the alarm remotely, acts as a secondary notification light for the phone

Web Developer/Designer [May 2012 - December 2013]
Earth & Environmental Sciences Department, UTA
- Redesigned and implemented the departmental website for the Earth and Environmental Sciences Department at the University of Texas at Arlington
- Implemented a web based field trip sign up system

Webmaster [January 2012 - December 2013]
Sri Lankan Students' Association, UTA
- Redesigned and implememted the website for the Sri Lankan Student's Association at the University of Texas at Arlington