Abhishek Mhatre

UX Experience Research/UX Design/UI Design/Product Design

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index.html#home

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Languages

Software

Illustrator, Affinity Designer, Photoshop, Axure RP 8, Sketch, ProtoApp, 123D Design, Cure, Microsoft Office, Eclipse, PyCharm, BalsamiQ Mockups

Programming

HTML 5, CSS3, Three.JS Paper.JS frameworks,
Bootstrap, PHP, JavaScript, JQuery, Java,
Particle Photon, C++

Other

Workpress

Technologies

Internet of Things, Machine Learning,
3D Printing, Laser Cutting, Weka, Machine Learning,

OS

Mac
Windows
Linux

Experience

Teaching Assistant, RIT *Dr. Prof. Peter Lutz* | Aug - Dec 2016
Tutor and grader for Java

Research Assistant, RIT *Dr. Prof. Matt Huenerfauth* | Jan 2014 - Present
Data analysis on data from eye tracker system. Using Weka a machine learning software, analyzing data from different participants. This is also a subject for my Thesis that I will be defending, coming spring.

Junior Engineer, Omtech Enterprises | June 2013 - July 2014
Quality control engineer • Wireless Communication • Robotics • PLC • SCADA • HMI

Internship, AIR INDIA | June - July 2012
Boeing B747-400, B777-200LR, B777-300ER, B737-800 and A310- 300 • Accessories department in Avionics department, over cable components, power sources, etc.

Education

ROCHESTER INSTITUTE OF TECHNOLOGY
MS MAJORING IN HUMAN COMPUTER INTERACTION WITH SPECIALIZATION IN UI/UX | GPA 3.8
Expected August 2017 | Rochester, NY

Coursework

GRADUATE
Foundations of Human Computer Interaction, Java, Info & Interaction Design (UI/UX), Research Methods, Foundation of web Tech I (Front End), Design User Experiment Internet Enabled Devices (IoT), User Centered Design (UI/UX), Usability Testing

Projects

PokemonGo Website (Front End) | SPRING 2017
HTML5 • CSS3 • JavaScript • AngularJS 2

Redcom SIGMA Calling Windows App (UI/UX In Progress) | SPRING 2017
Contextual Enquiry • Work Flow • Affinity Diagram • Personas • Low-Fi Prototype • High-Fi Prototype

LinkedIn OS App Redesign (UI/UX In Progress) | SPRING 2017
Contextual Enquiry • Work Flow • Affinity Diagram • Personas • Low-Fi Prototype

IoT Projects (Front End & Back End) | FALL 2016
3 Projects • Particle Photon • C++ • HTML5 • CSS3 • JQuery • JavaScript • three.JS • paper.JS • Laser Cutting • 3D Printing • Work on Fabric
First library is for neopixel to light up the pixel as per requirements. Second library is for OLED to code the OLED in way where incoming data from the cloud can be displayed. Components used two proximity sensors, each sensor will give an output in the form of voltages, to determine if any obstacles in the front or at the back used OLED and neopixel to see the reading from the sensors and the counter, to check the voltage of obstacles. Used 3D printer and laser cutter to carve the boat. Used base of photon and two front sensors using 3D printers. Used one more proximity sensor to back, a servomotor to show the movements of a 3D printed fan of the boat to show forward or backward motion.

HTML Projects (Front End) | FALL 2016
3 Projects • HTML5 • CSS3 • Bootstrap • JQuery • JavaScript • PHP • three.JS • Responsive Website
Used jQuery to make a SPA application page that combines podcast page and forum page into on, image gallery on search page. Forms in PHP were used to make a email form on contactus page, SSI file was made that updates last updated time, file named footer.shtml., .htaccess page was formed to use the error page as well as to make a page work as authenticated login, used three.js framework to make background of login page, used iQuery function to display current time on the top of the pages, hide and show event list in animation fading out and fading in form. Used Javascript to show progress bars after enter button was clicked, Alert box, confirmation box progress bar displays a message after enter button is clicked. On eventlist page Bootstrap was used to make the site responsive.

Slackless App Prototype (UI/UX) | SPRING 2016
Contextual Enquiry • Affinity Diagram • Personas • Low-Fi Prototype High-Fi Prototype. Link: https://avsiid.wordpress.com
A combination of pomodoro App and app to manage contents, reminders, deadlines, calendar events. A complete product design from UX research to UI design.

Parking Lot Design (UI/UX) | FALL 2015
Contextual Enquiry • Personas • Report
A UX research to understand drivers state of mind during parking cars. A system to redesign a parking lot to assist drivers.