



# Abhishek Mhatre


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

 <https://github.com/abhisheksuhasmhatre>

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 <https://abhisheksuhasmhatre.github.io>

 <https://dribbble.com/abhisheksuhasmhatre>

## 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**| [FALL](#) 2016  
Tutor and grader for Java

**Research Assistant, RIT Dr. Prof. Matt Huenerfauth**| [FALL](#) 2014  
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** | [FALL](#) - SPRING 2013  
Quality control engineer • Wireless Communication • Robotics • PLC • SCADA • HMI

**Internship, AIR INDIA**| [SUMMER](#) 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 3.56](#)  
Expected MAY 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.