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EDUCATION

University of North Carolina at Charlotte

M.S in Computer Science, Concentration in Visualization

Intended Grad: May 2019

GPA: 3.8

Shivaji University

Bachelor of Engineering in Computer Science and Engineering

Jun 2010 - May 2014

Relevant Coursework: Advanced Mobile Application Development, Software System Design and Implementation, Algorithm and data structure, Digital Image Processing, Visualization and Visual Communication, Database Systems

TECHNICAL SKILLS

Programming Language: Swift (Primary), Objective C (Past projects), Java (2Yrs), MySQL, C#, Node JS, HTML, JSP, MATLAB

Tools: Xcode, Unity, MySQL Workbench, HP Agile Manager, Figma, Invision, Amazon AWS, Firebase

Version Control: Github, SVN, Bitbucket

WORK EXPERIENCE

Graduate Research Assistant at UNC Charlotte

Jan 2018 – Present

- Thesis: Cross-Platform Mixed Reality Coordination: Developed a plug and play framework to achieve 3D space coordination between iOS devices and Microsoft Hololens using Unity Networking and Vuforia SDK.
- Developed a small explorer game - “Woodward Explore” for Hololens and iOS to demonstrate usability and ease of using the above framework.
- Collaborate with other research projects and actively participate in planning future projects.

Graduate Teaching Assistant [ITCS 4123] at UNC Charlotte

Aug 2018 – Dec 2018

- Planned and designed step by step guides to develop AR and VR applications for Hololens, iOS and HTC Vive Pro using Unity.
- Managed class of 30+ students, analyzed and graded their homework, assignments and projects.

iOS intern at Imaginovation LLC, Raleigh

May 2018 – Aug 2018

- Achieved screen sharing between multiple iPads without internet using MultipeerConnectivity Framework.
- Created custom aviation maps using advanced tools like QGIS, TileMill and Geojson.
- Added functionality to customize the maps within the app by adding new layers of data using WhirlyGlobe SDK.
- Implemented Real Time Course Deviation Indicator for Aviation making use of device GPS and real-time distance between actual track and desired track.

Software Engineer at Syntel Atos, Pune

Aug 2014 – Jul 2017

- Developed iOS applications, custom UI components and several POCs using Objective C and Swift.
- Developed REST APIs using Java Hibernate technology for Mobile Device Management Project.
- Designed and developed dynamic web pages using HTML and JSP.
- Unit testing, peer code review and bug fixes.

PROJECTS

FedEx iOS Mobile App

[Objective C, Swift]

Create a shipping label, track shipment status and manage your packages wherever you are with the FedEx® Mobile app. Implemented quick rates, bar code scanning, location services and localization support for 52 languages.

Syntel Email Client

[Objective C]

A corporate iOS Email Application for 20000+ employees of Syntel allowing them to securely use work emails and calendar events maintaining confidentiality. Contributed majorly in storing, forwarding and deleting email and calendar attachments.

Woodward Multiplatform Coordination

[C#, Xcode, Unity, Visual Studio, Vuforia]

Use iPhone, iPad or Microsoft Hololens to connect with each other. Collaborate with other connected users to navigate inside a building without GPS. Uses Vuforia Image Markers and device sensors to track user’s location and movement

Health Kit Survey

[Swift, Node.js, Amazon EC2, MySQL]

Create dynamic surveys on the web and publish it to patients to get insights of their health and well-being. Using Apple ResearchKit Framework, the iOS app shows different views based on type of question and provides summarized the data to the doctor.

Activities

- Active member of university organization - **Immersive Visualization and Analytics Lab**
- Finalist in public speaking **3-Minute-Thesis** competition held at UNCC on Nov 8, 2018
- A Passionate lead guitarist. Won first prize in annual gathering in year 2013 and 2014 at Sanjay Ghodawat Institute.