BASIR NAVAB

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EDUCATION

University of Southern California, Los Angeles, CA
Viterbi School of Engineering - Master of Science, Computer Science - (GPA: 3.22) May 2018

Azad University, Tehran, Iran
Bachelor of Engineering, Computer Science, Software Engineering - (GPA: 17.76/20, top 5 %) June 2014

TECHNICAL SKILLS

Programing Languages:	JavaScript, HTML5, CSS3, PHP, C/C++, Java, Swift, C#
Frameworks and IDEs:	Anguar.js, React.js, JQuery, Node.js, Express.js, Bootstrap, Android Studio, Unity, Kudan, Laravel, Xcode, Vuforia, ASP.Net
Databases:	MongoDB**,** MySQL, Postgres + PostGIS, phpMyAdmin, Oracle Database
Cloud Services:	AWS (Lambda), Microsoft Azure, Google Cloud Platform
Applications and Software:	GitHub, Nginx, Apache, Yeoman, Grunt, Gulp.js, Bower, NPM, HighCharts, google Analytics, Facebook APIs, Adobe Photoshop, Trello, Jira, Microsoft Project, MS Office, MS Visual Studio

WORK EXPERIENCE

Realization of Robotic Systems Lab (USC), Los Angeles, CA
Software Engineering Internship - Full Stack developer June 2017 - December 2017

- Designed a responsive MEAN stack (MongoDB, Express.js, Angular.js and Node.js) web application from scratch for the USC Robotic lab and hosted on USC servers which let lab manager to manage lab website content dynamically on dashboard by approving researchers requests to show their updates about their project on lab website. **(http://cam.usc.edu/)**
- Modified profiles, projects, papers on researcher's dashboard by lab members as well as used Yeoman for generating and scaffolding the whole project, Bower for dependencies and Grunt for magnification, compilation and unit testing.

University of Southern California, Los Angeles, CA
Full Stack Developer - Secondary Project Manager September 2016 - May 2017

- Led team of 7 in the development of the first prototype of Farmworker safety responsive web application and hosted on Microsoft Azure which notified farmworkers to take a break when the temperature goes up by texting them.
- Presented features to sign up via text or web application that contribute with a Node.js and MySQL backend based on JSON and a dashboard which design by Angular.js for users to manage their accounts.
- Decreased the rate of farmworkers death by **40%** based on the test result on California Valley. (**http://bit.ly/Farm_Worker)**

Amirkabir University Cloud Center, Tehran, Iran
Cloud Computing - Software Developer September 2014 - August 2015

- Created different secure online payment APIs based on cloud services by JavaScript in a team of 20 as well as design a software to monitor data flow on the APIs by Pro-Active software for Saman and Pasargad Banks.
- Provided various APIs by JavaScript on cloud which compute customer's text data as well as interact with the backend PHP and MySQL for Iran Cell mobile operator company in Iran.

PROJECTS

Address Management August 2017 - **Present**

- Developing an idea with my team which reduces new mover's time by 50% by allowing them to change their mailing address that auto updates to Banks, DMV, Amazon, etc.
- Sketching a responsive MEAN stack web application (MongoDB, Express.js, Angular.js and Node.js) which hosted on Amazon Web Services as well as generating and scaffolding by Yeoman.

Stuck News Web and Android application August 2017 - December 2017

- Created a responsive stuck news web and Android Application which displaying company equity stock charts using stock ticker symbols interacting with a backend Node.js hosted on Amazon Web Services.
- Provided features to autocomplete user input, suggested company symbols and display a graphic chart with HighCharts libraries by JSON data from Alpha Vantage API which handle in back-end as well as save users search by browser Local Storage and android shared preferences. (**bit.ly/Stoch_Web_App** + **bit.ly/Stock_Android_APP**)
- Integrated Facebook API for sharing a chart picture on user timeline and sort saved history on different ways by using Angular.js chart in Facebook and storing stuck information by saving data in browser Local Storage.

Augmented Reality mobile game August 2017 - December 2017

- Designed an augmented reality game (Wire Loop) which a player needs to pass a circular pin from different pipe in various levels without touching them and try to collect starts as well. **(http://bit.ly/WireLoop)**
- Developed this mobile game app based on C# with Unity framework as well as Kudan API for marker-less technology.

ACTIVITIES

- Board member, Persian Student Organization (PSO), USC January 2017 – **Present**
- Member, Association for Computing Machinery (ACM), USC September 2016 – **Present**
- 1st place, Kharazmi programing competition (Present Efficient Algorithms), Iran 2009
- 1st place, swimming champion, Iran 2004