Ratan George Senapathy

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OBJECTIVE

Hardworking Computer Science graduate student with leadership skills and global experience seeking a challenging position in web development with a leading web development company

EDUCATION

University of Southern California (USC), California (GPA: 3.75/4.00)   **May 2018 Candidate**
Master of Science in Computer Science
Relevant Coursework: Web Technologies, Networked Games, Foundations of Artificial Intelligence, Algorithms
Manipal Institute of Technology, Karnataka, India (GPA: 8.56/10.00)   **May 2016**
Bachelors of Technology in Computer Science and Engineering
Relevant Coursework: Advanced Internet Technologies, Network Protocols, Data Structures using C

SKILLS

Languages	:	PHP, JavaScript, HTML, CSS, Java, C# (certified), Python, SQL, MYSQL, TSQL, C++, Haskell,
Libraries/Frameworks	:	AngularJS, Scrapy, jQuery, Bootstrap, Codeigniter, ReactJS, Cloudsight API, Deepomatic API
Software/Tools	:	Github, Perforce, Visual Studio, Android Studio, Xcode, Sublime, MS Office, Unity
Operating Systems	:	Windows, Ubuntu, Mac OS
Services/Protocols	:	AWS, Microsoft Azure, REST APIs

RELEVANT WORK EXPERIENCE

Frenzy.AI, Los Angeles, United States   **Jan 2017 - Present**
Position: CTO
- Currently in charge of the Los Angeles office and collaborating with various teams to release fashion detection API into production
- Working as a full stack developer, took initiative to increase accuracy of fashion detection API that returns information about products pictured in a blog or an image by 20% and wrote scripts to scrape data from various blogs using PHP.
- Integrated cloudsight and deepomatic APIs in PHP and codeigniter framework for image recognition, worked on the company's API to fetch and update data from MYSQL database, set up servers on AWS and Azure and wrote scripts to use S3 storage on AWS
- Currently working here while pursuing my Master's degree
- Inventor in the patent application for the fashion detection API

Parkyeri, Istanbul, Turkey   **June 2014 - July 2014**
Position: International Intern
- Linked various java libraries together, documented various relationships and interactions between libraries and wrote java servlets for a 3D online world during an international internship opportunity in Istanbul

PROJECTS

Facebook Search (Website + Android)   **March 2017 - May 2017**
- Created a website in PHP, JavaScript, jQuery and angularJS, called FB and Google maps API to get details about various FB pages and implemented REST APIs for it
- Deployed website on AWS and made an Android app that used REST APIs to fetch details from the website depending on the users query and displayed the results on the app.

Airline Detail Finder (Website)   **Feb 2016 - March 2016**
- Built a website that parsed an XML file filled with airline details using JavaScript and displayed the details in a tabular format

Networked Game (Unity)   **Aug 2017 - Present**
- Currently the team leader in charge of making a multiplayer online FPS game, and assigned work to team members, reviewed code and integrated changes
- Working with transport layer protocols to implement the network architecture and implemented event handling over the network
- Reduced latency by using dead reckoning

Programming Language (First Order Logic Programming Language)   **Oct 2016 - Dec 2016**
- Validates queries based on facts given as input using resolution algorithm
- Designed the lexical analyzer, syntax analyzer and semantic analyzer using java and innovated a more effective design of the interpreter

OTHER WORK EXPERIENCE

SanDisk India Device Design Centre Ltd, Bengaluru, India   **Jan 2016 - May 2016**
Position: Intern
- Designed python based tracking tool to track invalid execution paths in firmware for more efficient firmware testing
- Reduced debugging time by 8% - 10%

Microsoft IT, Hyderabad, India   **June 2015 - July 2015**
Position: Intern
- Designed and developed a user friendly data tracking tool in C# and WPF to detect job failure on SQL Server and gave a visual representation of the job and database status which reduced number of work hours for searching for various errors by around 20%
- Took the initiative to design a more detailed graphical report generation mechanism for the tool