

Ratan George Senapathy

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OBJECTIVE

Hard working computer science graduate student who has experience in web development and leadership skills seeking to apply for positions related to web development

EDUCATION

University of Southern California (USC), California (GPA: 3.75/4.0)

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:8.56/10.0)

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, Python, HTML, CSS, C#(certified), SQL, MYSQL, TSQL, Java, C++, Haskell

Libraries/Frameworks: jQuery, AngularJS, Scrapy, ReactJS, Bootstrap, , Cloudsight API, Deepomatic API, OpenGL, Cocos2dx

Services/Protocols: AWS, Microsoft Azure, REST APIs

Softwares/Tools: Unity, Android Studio, Xcode, Perforce, Github, Visual Studio, Sublime, Blender, Maya, Microsoft Office

Operating Systems: Windows, Ubuntu, Mac OS

RELEVANT WORK EXPERIENCE

Frenzy.AI, Los Angeles, United States

Jan 2017 - Present

Position: Associate

- Currently in charge of the Los Angeles office and is collaborating with various teams to release the API into production
- Working as a full stack developer, took initiative to 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 there while doing my masters and is an inventor in the patent application for the API

Parkyeri, Istanbul, Turkey

June 2014 - July 2014

Position: International Intern

- Linked various java libraries together and wrote java servlets for a 3D online world during an international internship in Istanbul

PROJECTS

Facebook Search (Website + Android)

March 2017 - May 2017

- Created a website in php, javascript, jQuery and angularJS and 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

- 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 for a graduate course and regularly assigned work to team members, reviewed the code and integrated changes together
- Working with transport layer protocols for socket programming instead of the high level api to implement the networking component
- Reduced latency by using dead reckoning and is in the process of implementing voice over IP

Programming Language (First Order Logic Programming Language)

Oct 2016 - Dec 2016

- It validates or invalidates queries based on facts given as input using resolution algorithm
- Designed the lexical analyser, syntax analyser and semantic analyser using java and was able to think outside the box to design the interpreter in a more effective way

PRIOR 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