Sumanth Reddy Pandugula

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Education	**M.S, Computer Science**	**GPA: 4.0/4.0**	**May 2017**

M.S, Computer Science   **GPA: 4.0/4.0**   **May 2017**
University of Illinois at Chicago, IL, USA

B. Tech, Computer Science Engineering   **GPA: 4.0/4.0**   **2015**
SRM University, Chennai, Tamil Nadu, India

Research Intern in Education Technologies at **Carnegie Mellon University**
Pittsburgh, PA, USA – September 2014 to February 2015

Technical Skills

JAVA, C#, C, Python**,** HTML, CSS, JavaScript**,** D3.js, Leaflet.js, Node.js, Mapbox.js**,** UI Design, SciPy, Weka, MATLAB, JESS, Netica**,**SQL, PHP, MySQL, Oracle PL/SQL, MongoDB

Work Experience

Web Applications Developer at University of Illinois Chicago (Graduate Assistant)
Development of web applications in .NET and JavaScript for various departments, using data from the OrgSync API. *Projects: UPASS(ASP.NET, SQL), Events(JavaScript, OrgSync API).*

Selected Projects

OnReel News – *1st place at Facebook Global Hackathon Finals '15*
This application lets users track developing stories around the world in real time through videos taken by direct witnesses.
Under the Hood: Leaflet.js, Mapbox.js, Python, Node.js, HTML, CSS, JS, React, Instagram API.

AutoTBT – *Facebook API Prize Winners* *(TartanHacks'15 Carnegie Mellon University)*
Auto TBT or Automatic Throwback Thursday, reduces human effort in posting throwback pictures to Facebook, a very popular hashtag in social media.
Under the Hood: Facebook Graph API, Django, Python, HTML, CSS, JavaScript.

Blocks of Sugar – *Comcast API Prize Winners* *(PennAppsXIII University of Pennsylvania)*
Connects diabetes patients within neighborhood to learn from and motivate one another through chat and leaderboard. Map interface for health related events and news.
Under the Hood: EveryBlock API, Two Sigma API, Twilio API, HTML, CSS, Leaflet.js, D3.js, Node.js, OneTouch Reveal API, R

Federal Reserve Chief 2.0 – *Applied Artificial Intelligence Course Project*
Bayesian network that models the factors affecting inflation along with decision making and utility nodes to assist the chief of Federal Reserve to make decisions in case of inflation.
Under the Hood: Netica, Probability, Economics.

BMW Comfort – *Applied Artificial Intelligence Course Project*
Fuzzy control system in luxury cars to control temperature, lights, seat massagers, perfume, music, leg space, sound based on the mood of user.
Under the Hood: JESS, FuzzyJ, Java, Math and Statistics.

Shadows in the Rain – *Visual Analytics Course Project*
Facilitates for visualizing the hurricanes that developed in the Atlantic and Pacific Oceans, their path, their wind speed from the year 1851 till date.
Under the Hood: Leaflet.js, Mapbox.js, less.js, HTML, CSS, JavaScript, PHP, MySQL, D3.js

Rave On – *Visual Analytics Course Project*
Helps people explore their music and matching interests on a shared timeline, map and force directed graph visualizations. Supports 2 users on an 8K display with touch.
Under the Hood: Echonest API, Spotify API, last.fm API, Leaflet.js, Mapbox.js, Less.js, HTML, CSS, JavaScript, D3.js.

Sky Graph – *Software Engineering Course Project*
Machine learning to predict sales and business resources based on the weather data.
Under the Hood: C#, MVC, Bootstrap, Python, Weather Underground API, HTML, CSS, JavaScript, iceScrum, SQL.