

Vishnu Thiagarajan

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Education

University of Texas at Austin, Austin, Texas

Expected Spring 2018

Bachelor of Science in Computer Science

GPA: 3.95

Coursework: Software Engineering, Algorithms and Complexity, Artificial Intelligence, Computational Intelligence in Design, Data Mining, Principles of Computer Systems (OS), Computer Architecture, Data Structures

Experience

RetailMeNot, Austin, Texas

Summer 2017

Software Engineering Intern (Data Science)

- Redesigned and doubled precision on a key model while building related analytics and operations tools

Python, Docker, AWS, spaCy, scikit-learn, NLTK, word2vec, Flask, Handlebars, SQL, JavaScript, Git, Agile

vAuto, Cox Automotive, Austin, Texas

Summer 2016

Software Engineering Intern

- Automated large-scale data harvesting and report creation
- Designed and implemented new features and improvements in the work queue manager

C#, ASP.NET, Python, OpenCV, Oracle SQL, PL/SQL, Teamcity, Javascript, EXT.JS, SVN, Git, Agile

Personal/Research Projects

Machine Learning

- Using CNNs and image processing to convert videos of chess games to text notation and create large data sets
- Optimized 3D printing material usage and elasticity using genetic algorithms

Python, Keras, TensorFlow, Java, OpenCV

Robotics

- Leading the software team for a self-driving wheelchair that will stay within a lane while avoiding obstacles and moving towards a destination; involved in several other robotics committees

C, Python, C++, Robot Operating System, OpenCV

iOS Applications

- Built a multi-level action/strategy game where users can earn and use game currency

Swift, Objective-C, SpriteKit, MapKit, In-App Purchases, Heroku, Firebase, Parse

Web Apps

- Running a dynamic web database for information about companies, investors, people, and schools
- Web application that matches a user's views (parsed from social media) to a list of local election candidates

NodeJS, Python, ReactJS, Flask, SQLAlchemy, Jinja2, CSS, Javascript, AWS, Heroku

Skills and Leadership

Proficient in **Python, C, Java**

Comfortable in **Javascript, SQL, C# (.NET), NodeJS, ReactJS, Swift, PHP, HTML, and CSS**

Exposure to **Perl, Objective-C, C++, and x86 Assembly**

Secretary, UT IEEE Robotics and Automation Society; President, Bliss Meditation Club; Operating Systems Tutor