




# Vishnu Thiagarajan

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 vishnut.me

## Education

The University of Texas at Austin, Austin, Texas

Expected Spring 2018

*Bachelors of Science in Computer Science*

GPA: 3.95

*Endowed Presidential Scholarship Recipient, Business Foundations Certificate*

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

## 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, PostgreSQL, 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, 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

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

## Skills and Leadership

Proficient in **Python, C, Java**

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

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

Secretary, UT IEEE Robotics and Automation Society (2016-2017); President, Bliss Meditation Club (2015-2016)