

# Vishnu Thiagarajan

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## Experience

Facebook, Menlo Park, California  
*Incoming Software Engineer*

Starting June 2018

RetailMeNot, Austin, Texas

Summer 2017

*Software Engineering Intern (Data Science)*

- Redesigned a model to tag all offers and merchants while building APIs, related analytics and operations tools
- Worked with teams to integrate results for user recommendations and internal insights

Python, Docker, AWS, spaCy, scikit-learn, NLTK, word2vec, Flask, Handlebars, PostgreSQL, JavaScript

vAuto, Cox Automotive, Austin, Texas

Summer 2016

*Software Engineering Intern*

C#, ASP.NET, Python, OpenCV, Oracle SQL, PL/SQL, Teamcity, EXT.JS

## Education

The University of Texas at Austin, Austin, Texas

Spring 2018

*Bachelors of Science in Computer Science*

GPA: 3.96

*Endowed Presidential Scholarship Recipient, Business Foundations Certificate*

Coursework: Artificial Intelligence, Data Mining, Big Data Programming, Computational Intelligence in Design

## Personal Projects

### Machine Learning

- Using CNNs and image processing to convert videos of chess games to text notation and create large data sets
- Published a macOS application that will intelligently set personalized wallpapers

Python, Keras, TensorFlow, DEAP, Java, OpenCV

### Robotics

- Led the software team for a self-driving wheelchair that moves toward a destination while avoiding obstacles

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, Scala, SQL, C#, 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)