



George Mathew

bigfatnoob.us
george.megg1@gmail.com | 614.535.8678

EDUCATION

NORTH CAROLINA STATE

PHD IN COMPUTER SCIENCE

Expected May 2019 | Raleigh, NC

Current. GPA: 4.0 / 4.0

MS IN COMPUTER SCIENCE

Aug 2014 - May 2016 | Raleigh, NC

Current. GPA: 4.0 / 4.0

AMRITA UNIVERSITY

B.TECH IN ELECTRONICS ENGG

Jul 2008 - May 2012 | CBE, India

College of Engineering

Cum. GPA: 3.92 / 4.0

FOOTPRINTS

Github: [bigfatnoob](#)

LinkedIn: [georgevmathew](#)

Twitter: [@dbigfatnoob](#)

Facebook: [george.mathew.1690](#)

COURSEWORK

GRADUATE

- Advanced Machine Learning
- Automated Software Engineering
- Advanced Algorithms
- Database Management Systems
- Compilers
- Algorithms for Data Guided Business Intelligence

UNDERGRADUATE

- Pattern Recognition
- Image Processing
- Speech Recognition using SVM

SKILLS

PROGRAMMING

Experienced:

Java • JavaScript • HTML • Matlab
MySQL • Python • TensorFlow

Semi-Pro:

C++ • R • Redis • Clojure • \LaTeX
• Shell • Ruby on Rails • ECL

Familiar:

PHP • Android • Perl • Haskell

PET PROJECTS

Region.io : Online bookmark manager.

Octorater : Movie Predictor on Trident

Optima : Multi Obj Opt framework

Collections : Datastructures in Java

EXPERIENCE

LEXISNEXIS | SOFTWARE ENGINEERING INTERN

May 2017 - August 2017 | Raleigh, NC

- Implement Gradient Boosting Trees on Enterprise Computing Language(ECL).
- Develop a common search platform for both legal and academic documents.

FACEBOOK | SOFTWARE ENGINEERING INTERN

May 2015 - August 2015 | Menlo Park, CA

- Worked on query parsing and big data migration across regions.
- Created a thrift based API to help data migrate efficiently across datacenters.

CROWDCHAT | SOFTWARE ENGINEER

October 2013 - June 2014 | Hyderabad, India

- Developed crowdchat.net, a hash-tag based chat platform. It was built using the NodeJS Redis stack. Bootstrap, jQuery and client jade were used to develop UI.
- Worked on platform.crowdchat.net, a data analytics platform that helps you connect with people and subscribe to their activities on twitter. Built on the Java MySQL stack and scaled for over 250 GB of analyzed data.

PAYODA TECHNOLOGIES | SOFTWARE DEVELOPMENT ENGINEER

June 2012 - September 2013 | Coimbatore, India

- Created a REST based module to register a device into AppViewX, which is a software load balancer.
- Developed an aggregation module on mongoDB using map-reduce to aggregate statistics periodically.

RESEARCH

REAL AI IN SOFTWARE ENG. (RAISE) GUIDED BY DR. TIM MENZIES

Oct 2014 - Present | Raleigh, NC

- Studying trends in SE venues using topic modeling.
- S/W Effort Estimation using machine learning on industrial S/W projects.
- Optimizing requirements engineering models on i* frameworks using multi objective optimization techniques.(Funded By: SEI-CMU)

NASA JET PROPULSION LABORATORY

Jan 2015 - May 2015

- Software Quality Prediction for their space programs.
- Published in NASA Cost Symposium 2015.

PUBLICATIONS

TSE-Sub

RE-2017

ICSE-2017

IST-2016

AAAI-2016

NASA-2015

Trends in Topics at SE Conferences: (1993-2016).

SHORTer Reasoning About Larger Requirements Models.

Trends in Topics at SE Conferences: Preliminary Version

Negative Results for Software Effort Estimation.

Improving and Expanding NASA Software Cost Estimation Methods

NASA Software Cost Estimation Model: An Analogy Based Estimation Method