

George Mathew

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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

Google Scholar: tiny.cc/bfn0

Github: [bigfatnoob](https://github.com/bigfatnoob)

LinkedIn: [georgevmathew](https://www.linkedin.com/in/georgevmathew)

Twitter: [@dbigfatnoob](https://twitter.com/dbigfatnoob)

Facebook: [george.mathew.1690](https://www.facebook.com/george.mathew.1690)

COURSEWORK

- Advanced Machine Learning
- Automated Software Engineering
- Advanced Algorithms
- Database Management Systems
- Compilers; DevOps
- Data Guided Business Intelligence
- Object Oriented Design Paradigm

SKILLS

PROGRAMMING

Pro: Java • JavaScript • HTML • Matlab

• MySQL • Python • TensorFlow • Git

Semi-Pro: C++ • Redis • Shell •

LaTeX • Clojure • RubyOnRails • ECL • R

Familiar: PHP • Android • Perl • Haskell

• C • Julia • .NET • Bison

PET PROJECTS

region.io : Bookmark manager & chrome extension to bookmark pages and provide full text search for HTML and PDF.

Octorater(tiny.cc/bfn_pp0) : Distributed Movie Predictor based on Apache Trident and Rotten Tomatoes including Machine Learning and R packaging

Optima(git.io/vFrK1) : Python based Multi-Objective Optimization framework.

Collections(git.io/vFrK7) : Datastructures in Java8 based on Object Oriented & Test Driven Development

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.
- Top-3 best poster award for the internship.(tiny.cc/bfn_a1)

FACEBOOK | SOFTWARE ENGINEERING INTERN

May 2015 – August 2015 | Menlo Park, CA

- Query parsing and BigData datacenter migration on Apache Hive and Presto.
- Created a thrift based API to help data migrate efficiently across datacenters.
- Developed a React.js and Java based client to aid front end users to use the API.

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. We identify that SE research can be summarized as 11 topics.
- Published in International Conference on SE 2017(tiny.cc/bfn_p5) and under review in IEEE Transactions on SE(tiny.cc/bfn_p6)
- Part of obtaining funding from NASA-JPL, LexisNexis Risk and SEI-CMU.
- Studying impact of lines of code on Software Development effort. Under review at Journal of Software Sciences.

SOFTWARE ENGINEERING INSTITUTE - CMU (SEI-CMU)

Aug 2015 – Feb 2016

- Optimizing requirements engineering models on i* frameworks using multi objective optimization techniques.
- Published in IEEE Requirements Eng. Conference 2017(tiny.cc/bfn_p3) and IEEE Software Architecture Workshop 2017(tiny.cc/bfn_p4).

NASA JET PROPULSION LABORATORY

Jan 2015 – May 2015

- S/W Effort Estimation using machine learning on industrial S/W projects.
- Software Quality Prediction for their space programs.
- Published in NASA Cost Symposium 2015(tiny.cc/bfn_p1) and EMSE Journal 2016(tiny.cc/bfn_p2).