Hari **Amoor**

UNDERGRADUATE STUDENT · RUTGERS UNIVERSITY - NEW BRUNSWICK

(848) 482-1973 | amoor.hari@gmai.com | hariamoor | hamoor

Skills

Languages	Java, Python, Go, Rust, C/C++ Haskell, Clojure
Data Solutions	MySQL, MongoDB, gRPC, Apache Airflow, Apache Arrow, Apache Hive, Apache Spark, Apache Thrift
Frameworks	J2EE, Spring/Spring Boot, Hibernate, Play!, Grails

Experience

Facebook, Inc. *Menlo Park, CA*
SOFTWARE ENGINEER INTERN *May 2019 - Aug. 2019*

- Re-architected and added features to an internal pipeline of services used for error categorization over Facebook's suite of Android apps
- Reduced cases of misaggregation and over-aggregation under different categories by 31%
- Engineered an internal dataset of error categorization metadata used by oncall staff to triage the categorization pipeline
- Assisted in deploying ASAN-enabled versions of Facebook's Android apps and providing error categorization for crashes with actionable ASAN traces

FTI Consulting, Inc. *McLean, VA*
SOFTWARE DEVELOPMENT INTERN *Jun. 2017 - Aug. 2017*

- Developed an custom internal service used to monitor the company's e-Discovery service pipeline
- Aassisted in the migration of a complex e-Discovery toolchain to the cloud
- Engineered ad-hoc data-analysis solutions to visualize document-processing results analyzed by engineering management

Education

Rutgers University - New Brunswick *Piscataway, NJ*
B.S. IN COMPUTER SCIENCE AND MATHEMATICS *Sept. 2017 - PRESENT*

- **Coursework - Computer Science:** Operating Systems, Computational Robotics, Design and Analysis of Algorithms, Formal Langauges and Automata, Programming Languages & Compilers
- **Coursework - Mathematics:** Linear Algebra, Abstract Algebra, Real Analysis, Graph Theory, Finite Fields (audit), Combinatorics (audit)

Leadership

Undergraduate Student Alliance of Computer Scientists *Rutgers University - New Brunswick*
PROJECT MANAGER CHAIR *Sept. 2018 - May 2019*

- Supervised bimonthly USACS mini-hackathons - regularly sponsored events for novice and experienced developers alike to develop open-source software
- Manages collaboration on USACS open-source contributions and software written for nonprofits and humanitarian organizations

HackRU R&D *Rutgers University - New Brunswick*
SOFTWARE ARCHITECT *Sept. 2017 - May 2018*

- Developed software for use by staff and hackers at HackRU - the biannual Rutgers hackathon
- Conducted in-hackathon workshops to help hackers learn about and utilize various open-source technologies

Projects

Noria *MIT PDOS Lab*
OPEN-SOURCE CONTRIBUTION *PRESENT*

- SQL-based data system that provides a fast storage backend for read-heavy backend web servies
- Uses dataflow analysis, a program optimization technique, at runtime to optimize high-velocity query requests

Ludicrous Card System *Rutgers University - New Brunswick*
HACKRU R&D *Oct. 2017*

- REST-enabled Backend as a Service (BaaS) providing various API-based services and a persistent storage layer backed by a MongoDB cluster
- Utilized and maintained by HackRU, supporting over 800 end-users bi-annually