

900 N Leverett Ave, Apt 501  
Fayetteville AR 72701  
(479) 799-8796  
asnugroh@email.uark.edu

# AMIN R. S. NUGROHO

<http://sinunk.net>  
<http://csce.uark.edu/~asnugroh>  
[https://\[gist\].github.com/sinunk](https://[gist].github.com/sinunk)  
[www.linkedin.com/in/asnugroh](http://www.linkedin.com/in/asnugroh)

## SUMMARY

---

- Looking for an exciting Summer Internship opportunity around mobile/cloud/analytics/security/privacy.
- Excellent analytical and problem solving skills; Strong leadership experience.
- M.S. in Computer Science with Information Assurance Certificate; current Ph.D. Student in Computer Science.

## TECHNICAL EXPERIENCES

---

- Exploring Privacy Leakage from the Resource Usage Patterns of Mobile Apps (2014 – 2016). M.S. Thesis. Showed using several machine learning algorithms that we can infer the type of apps being used by looking at CPU usage pattern with 100% accuracy on single mobile device and 66.67% accuracy on mobile cloud platform. (Ubuntu Linux as server, custom Android 4.3 Jelly Bean as client)
- Razorback Transit Notification (Fall 2014). The app calculates and notifies University of Arkansas Bus riders when is the right time to walk to the bus stop based on several criterions such as distance, user's walking pace, passing a crosswalk, and current weather. (Apple Swift on iOS 8).
- Developed and maintained Statistics Agency branch office's website and deployed Elgg-based social network engine for Indonesia's Statistics Agency State's office internal communication (2009 – 2013).
- Developing Linux Distribution for Migration of National Statistics Agency of Indonesia Computer System from Windows Based to Linux Based (2008). Bachelor Thesis. Developed custom Ubuntu distribution to support application needs for daily operation based on requirement analysis of its 60 divisions at the headquarter.
- **Languages and Technologies:** Java, Bash, C++11, Parallel Programming with OpenMP, Scala, MapReduce, Hadoop, Apache Spark, Apple Swift, PHP/CSS/HTML, Matlab, MySQL.

## EMPLOYMENT

---

- | <b>Fayetteville, Arkansas</b>  | <b>University of Arkansas CSCE Department</b>  | <b>May 2016 – May 2020</b>       |
|--|--|----------------------------------|
| ▪ Research Assistant on Online Social Network Fraud and Attack Research and Identification project funded by National Science Foundation of the United States.   |  |                                  |
| <b>Sulawesi Selatan, Indonesia</b>   | <b>National Statistics Agency of Indonesia</b> | <b>February 2009 – July 2014</b> |
| ▪ Head of Data Analysis Section in Selayar regency branch office, responsible to supervise data collection process, calculate regency's gross domestic product, perform data analysis, and publish statistical publications. |  |                                  |

## LEADERSHIP EXPERIENCES

---

- Secretary General (2004 – 2007). Student Journalistic Organization. Institute of Statistics. Managed 2 news products, various workshop and writing competitions activities with around 30 staffs for around 1,000 readers.
- President (2002 – 2003). Association of Student Government. Senior High School. Managed various activities of around 10 interest-based sub-organizations for around 1,200 students.

## EDUCATION

---

- | <b>Fayetteville, Arkansas</b>  | <b>University of Arkansas</b>  | <b>Fall 2014 – Spring 2016</b> |
|--|--------------------------------|--------------------------------|
| ▪ M.S. in Computer Science with Additional Certificate in Information Assurance (Graduate GPA: 3.71).  |                                |                                |
| ▪ Graduate Coursework: Advanced Mobile Computing, Computer Security, Database Security, Privacy Enhancing Technology, Cloud Computing, Computer Forensics, Network Security. |                                |                                |
| <b>Jakarta, Indonesia</b>  | <b>Institute of Statistics</b> | <b>2003 – 2008</b>             |
| ▪ B.S. in Statistical Computation (GPA: 3.20) with 21 Computer Science courses and 18 Statistics courses.  |                                |                                |

## AWARDS

---

- Full M.S. scholarship from the Fulbright program administered by the United States Department of State.
- Full undergraduate scholarship from National Statistics Agency of Indonesia.