

Nick Asendorf

DATA SCIENTIST · SOFTWARE MANAGER

St. Paul, MN

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Summary

Current Site Reliability Engineer at start-up company Kasa. 7+ years experience specializing in the backend development, infrastructure automation, and computer hacking/security. Super nerd who loves Vim, Linux and OS X and enjoys to customize all of the development environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

Education

University of Michigan

PH.D. AND M.S. IN ELECTRICAL ENGINEERING: SYSTEMS

Ann Arbor, MI

Aug 2010 - May 2015

- GPA: 4.0/4.0
- Advisor: Prof. Raj Rao Nadakuditi
- Dissertation: "Informative Data Fusion: Beyond Canonical Correlation Analysis" [Link to pdf](#)

University of Maryland

B.S. IN COMPUTER ENGINEERING

College Park, MD

Aug 2006 - May 2010

- GPA: 4.0/4.0, Gemstone Honors Program, Eta Kappa Nu

Industry Experience

3M Company, Corporate Research Systems Lab

SOFTWARE RESEARCH MANAGER

Maplewood, MN

Feb 2019 - Present

- blah

DATA SCIENTIST

Aug 2015 - Jan 2019

- blah

R&D INTERN

Summer 2014

- blah

AAI Corporation, Textron subsidiary

SOFTWARE ENGINEERING INTERN

Hunt Valley, MD

Summers 2007, 2008, Winter 2009

- blah

Academic Experience

University of Michigan

GRADUATE STUDENT RESEARCH ASSISTANT

Ann Arbor, MI

Aug 2010 - May 2015

- Ph.D. research included multi-modal data fusion, correlation analysis, random matrix theory, data driven algorithms for machine learning and statistical signal processing applications, and detection theory.

University of Maryland

UNDERGRADUATE RESEARCH INTERN

College Park, MD

June 2009 - May 2010

- Designed and performed auditory MEG experiments exploring neural responses to low-frequency auditory stimuli. Developed noise reduction algorithms for time-frequency analysis of MEG data

Honors & Awards

INTERNATIONAL

- | | | |
|------|---|------------------|
| 2018 | Finalist , DEFCON 26th CTF Hacking Competition World Final | Las Vegas, U.S.A |
| 2017 | Finalist , DEFCON 25th CTF Hacking Competition World Final | Las Vegas, U.S.A |
| 2014 | Finalist , DEFCON 22nd CTF Hacking Competition World Final | Las Vegas, U.S.A |
| 2013 | Finalist , DEFCON 21st CTF Hacking Competition World Final | Las Vegas, U.S.A |
| 2011 | Finalist , DEFCON 19th CTF Hacking Competition World Final | Las Vegas, U.S.A |

DOMESTIC

2015 **3rd Place**, WITHCON Hacking Competition Final
 2017 **Silver Prize**, KISA HDCON Hacking Competition Final
 2013 **Silver Prize**, KISA HDCON Hacking Competition Final

Seoul, S.Korea
 Seoul, S.Korea
 Seoul, S.Korea

Presentation

DevFest Seoul by Google Developer Group Korea

Seoul, S.Korea

PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE>

Nov. 2017

- Introduced the history of web technology and the JAM stack which is for the modern web application development.
- Introduced how to freely host the web application with high performance utilizing global CDN services.

6th CodeEngn (Reverse Engineering Conference)

Seoul, S.Korea

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

Program Committees

2016 **Problem Writer**, 2016 CODEGATE Hacking Competition World Final
 2013 **Organizer & Co-director**, 1st POSTECH Hackathon

S.Korea

S.Korea

Extracurricular Activity

PoApper (Developers' Network of POSTECH)

Pohang, S.Korea

CORE MEMBER & PRESIDENT AT 2013

Jun. 2010 - Jun. 2017

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.