Adam Ringwood

Software Engineer | Security Researcher

Experience

Cofounder/CTO
November 2020 - Present

Skolem Technologies - Chicago, IL

- Developed a OMS/PMS from scratch that executed over 150 million dollars of DeFi trades on Ethereum.
- Hired and managed up to 12 engineers in building out additional products for customers.
- Built customer relationships and assisted the sales team in closing clients.
- Lead development on double book accounting system, time series database, node infratructure and many additional features.
- Raised 20+ million dollars from Galaxy Digitial, Point 72, Jump Trading and others.

Senior Security Researcher
Jun 2018 - Feb 2021

Elastic, acquired Endgame in 2019 - Chicago, IL

- Moved 100+ servers from a colo to a cloud native AWS setup
- Managed a continous malware ingestion pipeline and ML data training set
- Built custom tooling to successfully detonate binaries safely with custom introspection.

Security Researcher
June 2017 - June 2018

Uptake - Chicago, IL

- Developed a network security product to secure ICS networks.
- Assisted in development of ML models for detecting SCADA attacks.
- Developed custom tooling to provide monitoring and introspection for SCADA systems.

Machine Learning Researcher
July 2013 - June 2015

WDIA @ Illinois State University - Normal, IL

- Implemented and created algorithms for record matching dirty multi-million record sets. Focus on rule-based, phonetic and machine learning processes.

Additionally internships at The Honest Company (2016), Paypal/Braintree (2015) and Discover Financial Services (2014)

Education

Computer Science @ Illinois State University - Normal, IL
2013 - 2017

- Ran RedbirdHacks in 2015 and 2016. A two day hackathon with over 100 students competing.
- President of ISUSec, an information security club, helping run annual cyber defense competition and weekly hour long lessons.

Links

Mail:	job24@ringwood.io
Web:	ringwood.io
Git:	github.com/akama
Blog:	binary.wtf

Recent Projects

generating.art
Infinite feed of pen plotter art.

omniscient.wiki
Online encyclopedia written by an LLM.

hyxor.com
A battle royale game for programmers.

Previous Talks

GrrCON 2019
Custom, robust AWS monitoring for cents a day using EQL

OCaml Workshop @ ICFP 2019
Makecloud: Simple, Fast, Robust CI/CD for the modern era

RSA 2018
SCADA 101

Thotcon 0x8
University Privacy: How to Doxx 60,000 Students

Circle City Con
Creating a Successful Collegiate Security Club

Derbycon 4.0
Presenting distributed password cracking software.

Thotcon 0x5
Presenting open source email phishing tool.