ALEXANDER AHMANN

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https://gaussian.horse ● https://github.com/mathmare

SUMMARY

I am an IT professional with a strong interest in software reverse engineering and machine learning, and I am working to contribute to the interdisciplinary field of malware data science. I hold various certifications and I am currently looking for an internship as a cybersecurity analyst or related position. Currently enrolled in university and open to gigs and contract work.

TECHNICAL SKILLS

IT Operations: Networking, (some) Active Directory, Windows, Linux, Virtualization, VMware, VirtualBox, Relational Databases, Troubleshooting, Documentation

Programming Languages: IA-32/x86_64 assembly, C/C++, C#, Python, PowerShell, bash shell, SQL, VBScript

Other: Software Reverse Engineering, Technical Writing, Data Analysis, Mathematical Modelling, Optimization

EXPERIENCE

Open Source Community — Jul. 2016–Present
Independent Programmer

- Published small programming projects onto GitHub in order to contribute to the open source community and demonstrate coding ability.

Medium — Jul. 2018–Present
Content Creator

Holy Apostles Soup Kitchen, Manhattan, NY — Jul. 2018–Present
Volunteer Work

- Communicate with guests regarding orders, comments, and complaints.
- Greeted incoming guests at an entrance, and authenticated them with their given “meal ticket”.
- Kept records of the quantities of food used, and informed supervisors when food and supplies were getting low.
- Making sandwiches along with snacks and a juice drink, then package them and serve food to guests.
- Scrape leftovers from dishes into garbage containers, and took them to dish washer for further cleaning.

- Carry garbage to an outside dumpster when bins became too full.

Holy Apostles Soup Kitchen, Manhattan, NY Dec. 2015–Dec. 2015
Volunteer Work

- Scrape leftovers from dishes into garbage containers, and took them to dish washer for further cleaning.
- Carry garbage to an outside dumpster when bins became too full.

EDUCATION

LaGuardia Community College, Long Island City, NY
Associates in Science, Computer Science
Currently Enrolled, April 2018–Present

New Life School, Bronx, NY
NYS-Regents High School Diploma
Graduated June 2015, Honor Roll

SELECTED CERTIFICATIONS

A+

- CompTIA certification, January 2017–May 2021
- Serial Number: RSNNBRTP2HVQC5CE

Security+

- CompTIA certification, May 2018–May 2021
- Serial Number: HT137XTPNLQE1YCC

Computer Security and Systems Management

- Coursera Specialization, July 2018
- Verification: http://coursera.org/verify/specialization/8AVM4PT5TTQA

IT Support Professional Certificate

- Google certification, July 2018
- Verification: http://coursera.org/verify/specialization/X4JMU69Q74X3

SELECTED PUBLICATIONS

(May 05, 2018) *Rudimentary Physics with Python: An Application of Python Computer Algebra to Perform Calculus-based Kinematic Analysis* accompanying whitepaper for presentation given at the Microsoft Technology Center, Manhattan, NY:
https://gaussian.horse/assets/papers/100518.pdf

Self-published blog: https://medium.com/@mathmare_

PROJECTS

Theoretical Minimum

This is a project where I discuss my solutions to various textbook problems and some of the online computer science challenges that I have participated in. These are typically at the college undergraduate level.

Link: https://github.com/mathmare/TheoreticalMinimum

ACCOMPLISHMENTS

HackerRank: ProjectEuler+
Ranked in the 71th percentile (as of September 26, 2018; 24978/86463)

SELECTED COURSEWORK

Hands on Hacking™

- Four-day course by Hacker House, December 2017

Data Analysis

- DataQuest coursework, April 2017
- Verification: https://www.dataquest.io/verify_cert/77IP6UPT90EQ00IZKFMR

Using Python for Research (PH526x)

- edX coursework, December 2016
- Verification: https://courses.edx.org/certificates/b3d43fcbc6064e6c9435bef4c220d224

LANGUAGES

English (native proficiency)

INTERESTS

thoroughbred handicapping, statistics, recreational hacking, philosophy (epistemology, ethics), physics, youth empowerment, disability rights, heterodox economics, animation, history