

# ALEXANDER AHMANN

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<https://gaussian.horse> • <https://github.com/mathmare>

## SUMMARY

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I am an enthusiastic, fairly open IT professional who is skilled in computer programming, applied mathematics and IT operations.

## TECHNICAL SKILLS

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

**Programming Languages:** (some) C/C++, C#, Python, PowerShell, bash shell, SQL, VBScript

**Other:** Technical Writing, Data Analysis, Mathematical Modelling, Optimization

## EXPERIENCE

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### Open Source Community

Jul. 2016–Present

Independent Coder

- Published small programming projects on 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

- Made peanut butter and jelly sandwiches and bagged them, along with snacks and a juice drink.
- Greeted incoming guests at an entrance, and authenticated them with their given “meal ticket”.
- Handled trays from guests, emptied trays and took them to dish washer for further cleaning.
- Helped to carry garbage to an outside dumpster when bins became too full.

### Holy Apostles Soup Kitchen, Manhattan, NY

Dec. 2015–Dec. 2015

Volunteer Work

- Handled trays from guests, emptied trays and took them to dish washer for further cleaning.
- Helped to carry garbage to an outside dumpster when bins became too full.

## PROJECTS

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### 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

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### HackerRank: ProjectEuler+

Ranked in the 71th percentile (24978/86463)

As of September 26, 2018

## ARTICLES

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(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/img/papers/100518.pdf>

Self-published blog: [https://medium.com/@mathmare\\_](https://medium.com/@mathmare_)

## CERTIFICATIONS

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### 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>

## COURSEWORK

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### 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/](https://www.dataquest.io/verify_cert/77IP6UPT90EQ00IZKFMR/)

## **EDUCATION**

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

## **LANGUAGES**

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English (native proficiency)

## **INTERESTS**

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