CORBIN FRISVOLD

Freelance Engineer of Things

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EXPERIENCE

IT Consultant
Chhaya CDC

📅 June 2017 – Present   📍 Jackson Heights, New York

- Fixed network systems and revamped main file server
- Built new website in Wordpress
- Updated security across entire network
- Other misc. items such as rebuilding office PCs and running Cat6 ethernet cable

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Technology Blog
Corbin's Technological Explorations

📅 July 2018 – Present   📍 maker.godshell.com

- Basic work on Machine Learning
- Created comprehensive solutions for programming competiton sets
- Other miscellaneous projects involving 3D Printing and Java / Python programming

ACHIEVEMENTS

- Top 5% of High School Class (Rank 3)
- Current 1280 on General SAT
- President of both Mathematics Club and Programming Club at High School
- Vice-President of Science Club at high School
- Several talks at different conferences, all detailed on my blog
- Created SpawnCamp at BSides Delaware, a place for kids who are interested in getting into fields involving computers to get a jumpstart

SKILLS

Unix, Arduino
Python, C++, Java
SciKitLearn

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EDUCATION / COURSES

High School Coursework
Jim Thorpe Area High School

📅 August 2017 – Present   📍 1 Olympian Way, Jim Thorpe

- Taken several Advanced Placement and Honors courses such as AP Computer Science Principles and Honors Precalculus

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Independent Study Computer Science
Jim Thorpe Area High School

📅 2018 – 2019 School Year   📍 1 Olympian Way, Jim Thorpe

- Studied several subjects such as information theory and cryptography
- Pursued several projects involving fabrication with 3D Printers and laser cutters

HONORS & AWARDS

- First place at Pennsylvania Junior Academy of Science States 2019

PROJECTS / INTERESTS

3D Printing and Design

- Designed upgrades for personal printers
- Learned Fusion360 and OpenSCAD to design 3D models

Machine Learning

- Currently learning to use SKLearn, Keras, and Tensorflow to create models for machine learning and neural networks
- Some of this is on my blog, mainly my work with Support Vector Machines

Robotics

- Passion since childhood, projects soon to be on blog / GitHub

Music

- Lead trumpet and section lead in marching band, attended County Band 2018 and 2019, attending PMEA District Band 2019
- Lead tenor vocalist in choir and chamber choir, attended County Choir 2018 + 2019
- Starred in Annie Jr, Frankenstein 2029, Grease, and Footloose

Professor Pfaffmann Voxcad

- Currently doing research with Professor Pfaffman of Lafayette College to publish a paper
- Research entails agent based modelling for soft robotics in the Voxcad software

Baseline Scanning and Machine Learning

- Ongoing research for a DerbyCon talk discussing the combination of baseline scanning and machine learning for network security

Simulating and Analyzing the Spread of Viruses in Networks

- Research for PJAS States Competition 2019
- Modified the SIR Model to utilize vital dynamics
- Currently modifying this research to be applied to DerbyCon talk on simulating virus spread in computer networks using NetworkX and Python

Math Club

- President of club with focus on teaching problem solving skills and mathematical intuition
- Planning to compete in 4 competitions this upcoming year

Programming Club

- President of club with focus on hands on learning for members to understand logical concepts better
- Compete in 3 competitions annually