

Layne Gustafson

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EDUCATION

Binghamton University

August 2016 - Current

GPA: 4.0 | Sophomore | Double Major in Computer Science and Mathematics

Perkiomen Valley High School

June 2016

National Honor Society (2014-2016)

NOTABLE SKILLS

- Languages: Go, Java, Python, C/C++
- The Linux kernel and its most common userland systems (e.g. the basic UNIX commands, systemd, X11), and tools such as git, make, and bash
- Neural networks and their implementation in Keras

PROJECTS

- Re-imaged school-wide netbooks to run Linux and authenticate using Active Directory.
- Created a current weather indicator using an LED matrix and a Raspberry Pi computer.
- Created an online matrix calculator (rowsofb.com).

EXPERIENCE

Unisys Career Study

May 2016

- Three week experience learning about the company, its products, and working in professional software development.
- 3D printing and design with OpenSCAD and CURA.

Freshman Research Immersion

August 2016 - Current

- Selective program at Binghamton University in which teams of freshmen are given broad topics of research. The program starts with study of prior work and, over the course of three semesters, culminates in a research project using university lab equipment.
- Involves reading, comprehension, and application of state-of-the-art techniques from relevant journals.
- Currently researching the use of deep learning (specifically, convolutional neural networks) in facial recognition, specifically when the subject's face is occluded.

WORK EXPERIENCE

Grocery Associate, Giant Food Stores

June 2016 - Current

- Stocked shelves, rotated product, designed sale displays, conducted transactions, assisted customers with queries and orders, and handled incoming deliveries at a large grocery store.