

# Layne Gustafson

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## EDUCATION

### **Binghamton University**

**August 2016 - Current**

*Freshman | Double Major in Computer Science and Mathematics*

### **Perkiomen Valley High School**

**June 2016**

*GPA: 4.65 | National Honor Society (2014-2016)*

## RELEVANT COURSES

- Machine Organization: Digital logic, C, MIPS Assembly
- AP Computer Science: Java

## TECHNICAL SKILLS

- Languages: Java, Go, C
- Systems: Linux (including the command line via the Bash shell), OSX, Windows

## PROJECTS

- Re-imaged old school netbooks to run Linux and connected them to Active Directory.
- Created a twitter bot that uses Markov chains to generate tweets based upon currently trending topics.
- Created a current weather indicator using an LED matrix and a Raspberry Pi computer.
- Created a command-line matrix calculator.

## 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.
- Researched computer vision and image processing techniques as they pertain to recognition of digital logic circuit sketches.

## WORK EXPERIENCE

### **Grocery Associate, Giant Food Stores**

**June 2016 - Current**

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