

# Ethan Ferguson

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## OBJECTIVE

Obtain further experience and knowledge in the field of computer science.

## EXPERIENCE

### **Grammatech Inc, Ithaca — Software Intern**

June 2021- August 2021

Worked with Grammatech's research team to fix bugs and add functionality to CodeSentry product, including graph-based dependency analysis, data collection, and data cleaning.

### **Sonnet Software, Syracuse — Software Intern**

June 2019 - August 2019, December 2019 - January 2020, May 2020 - August 2020

Internship, debugged and added to legacy MATLAB interface for the Sonnet software suite. Worked in developing a MacOS version of the software. Provided MATLAB support. Analyzed x86 assembly and studied compilation to optimize software.

### **Syracuse University, Syracuse — EECS Intern**

June 2018 - August 2018

Summer internship, created data mining software to capture data from the website "Steem", and analyzed the results.

## EDUCATION

### **Binghamton University, SUNY | Watson College of Engineering and Applied Science**

August 2019 - Present, Cumulative GPA 3.95

Majoring in Computer Science, enrolled as a member of the Binghamton University Honors Program. Expected graduation in May 2023.

### **Fayetteville-Manlius High School**

September 2015 - June 2019

High Honors student (GPA 95+). Completed math through AP Calculus, science through AP Physics C. Captain of Varsity Science Olympiad team - State Champions 2 years. Member of National Honors Society, Science Honors Society, French Honors Society.

## LEADERSHIP

### **Boy Scouts — Eagle Scout**

Boy scout since 5th grade. Completed National Youth Leadership Training and received the NOA Camping Gold Award. Served as Patrol Leader and Scribe for troop. Participated in many hours of volunteering through the organization.

### **Science Olympiad — Captain**

Captain of Science Olympiad team senior year of high school. Member 5 years. Second place in *Game On* event in National Science Olympiad Tournament in 2018.

## SKILLS

**Languages:** C, C++, x86-64 Assembly, Python, Java, JavaScript, MATLAB, Rust, Go

**Operating Systems:** Windows 7 & 10, Linux, macOS

**Embedded Systems:** Arduino, Raspberry Pi, soldering, system building/repair

**Development and Creative Skills:** Emacs, vi, apache, Web Design, HTML/CSS, data analysis, Networking (see website - missingchip.com), 2D and Digital design

## AWARDS

National Merit Scholar  
Finalist

Scholastic Gold Key for the piece *Distance*.

Bausch and Lomb Honorary  
Science Award

## FOREIGN LANGUAGES

Completed Advanced  
Placement French. First  
language English.