

# Kevin Wallace

1070 Michael Place, Seafood NY 11783 | 516-547-2588 | kwallac6@binghamton.edu

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## EDUCATION

### Binghamton University, State University of New York

Expected May 2020

Bachelor of Science in Computer Science, Bachelor of Arts in Mathematics

Overall GPA: 3.83/4.00 | Watson Dean's List (Fall 2016 – Present), Phi Eta Sigma National Honor Society

### General Douglas MacArthur High School

June 2016

Advanced Regents Diploma with Honors

Final GPA: 97.89/100 | AP Scholar with Distinction, Scholar Athlete Team Member

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## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, MATLAB, MIPS Assembly, Javascript, HTML & CSS

**Software and OS:** Linux, Windows, Git, Eclipse, Vim, PyCharm, Logisim, Solid Edge

**Additional:** Basic lua, Basic x86 Assembler, Arduino

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## PROJECT EXPERIENCE

### Nitee Time Tracker, Javascript Programmer

Binghamton, NY, September 2018

- Utilized Google Calendar's REST API to create a website that processes calendar information and displays the current location and next upcoming event of several users
- Formatted website to be readable and user-friendly by using HTML, CSS, and Javascript
- Used GitHub for version control and hosted the website on GitHub pages

### Binghamton University, C++ Co-Programmer

Binghamton, NY, April 2018 - May 2018

- Partnered with another student to implement Dijkstra's shortest path algorithm on a weighted graph
- Used GitHub for version control and build coordination with another student
- Used project to test the performance of Dijkstra's algorithm when using a priority queue to hold weights

### Binghamton University, Python Co-Programmer

Binghamton, NY, April 2017 - May 2017

- Created an interpretation of a popular card game, Exploding Kittens, in Python using the PyGame library
- Used JSON files for data permanence to keep track of player wins across game instances
- Pushed all source code to a public GitHub repository

### Binghamton University, Arduino Programmer

Binghamton, NY, August 2016 - October 2016

- Programmed two Arduino UNO boards using Serial C to communicate through Universal TV remotes and IR sensors to play laser tag against each other with the aid of users
  - Programmed the boards to play sounds to signal game events through 8-bit speakers
  - Displayed the completed system at an expo with 100+ visitors
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## LEADERSHIP EXPERIENCE

### Binghamton University, Tour Guide, Binghamton, NY

January 2018 – Present

- Led groups of college visitors on informational trips around the Binghamton University campus to provide a sense of intimacy with the college
- Demonstrated strong interpersonal skills by recalling key information about the university to relate to prospective college students

### Hinman Production Company, Actor and Singer, Binghamton, NY

August 2016 - Present

- Performed in four theatrical productions including an original play written as part of a 24-hour theatre event, musical productions of *It Shoulda Been You* and *Into the Woods*, and an original sketch comedy show
- Adapted to ensembles by rehearsing with groups of 10-15 other performers for 15+ hours per week

### Binghamton University, Physics Teaching Assistant, Binghamton, NY

August 2017 - December 2017

- Performed laboratory demonstrations, administered and graded quizzes, and answered physics questions for a class of 20+ college physics students
- Provided feedback to students' work on physics lab assignments and quizzes

### SUNY Kids, Trip Chaperone, Binghamton, NY

January 2017 - May 2017

- Connected with local impoverished and victimized children on an individual basis by going on fun trips with them in order to entertain and spread joy
- Provided a safe space for children who might not have the best situation at home by offering compassion and a consistent friendship
- Supervised approximately 20 children on trips to educational sites like a children's museum by teaching them about exhibits and watching them to ensure their safety and wellbeing