

# Tyler John Gabriel

## Education

- Binghamton University, State University of New York- (Expected Class of May 2021)
  - Thomas J. Watson School, Bachelor of Science in Computer Science, Major GPA: 2.98

## Technical Skills

- Languages: C, C++, Java, Python, X-86 Assembly
- Software and OS : Windows, macOS, Linux, IOS, Eclipse, Microsoft Office, GIMP/Photoshop
- Additional: Basic HTML, Raspberry Pi, API implementation

## Project Experience

- Buffer Overflow Project (May 2018)
  - Manipulated C and X-86 to “exploit” a buffer overflow attack in a gradebook simulation (CS 220)
- Plant Health Advisory Bot (May 2017)
  - Created a Twitter “bot” using Python, Twitter API, and OpenWeatherMap API to notify the user on how to care for plants based on local weather
- Model United Nations Committee Manager (May 2016)
  - Utilized Java and JavaFX libraries to create a program with a GUI to help committee heads run MUN debate (Co-programmer)

## Club/Organization Leadership

- Hack BU, Binghamton, NY- General Member (August 2017-present)
  - Hardware Hackathon 2017 Participant
- Mountainview College Council, Binghamton, NY- General Body Member (August 2017-present)
  - Vice President of Public Relations (May 2018-present)
    - Advertise the affairs of MCC to approximately 1000 community members
    - Coordinate with other board members to promote events
    - Maintain social media profiles and distribute a weekly newsletter
  - Vice President of Cascade Academic Affairs (August 2017- May 2018)
    - Improved the academic wellbeing of Cascade Hall by planning and carrying out academic and social events for 250 residents
- Model United Nations, Binghamton, NY – General Member (September 2013-present)
  - Participate in various conferences to debate global issues
  - Administered debate as a chair and helped plan a conference of over 300 people
    - Hilton MUN 2016, UNAR 2016, 2017
  - Binghamton Model United Nations Treasurer (May 2018-present)
    - Manage the funds and expenses of the club
    - Communicate with the other board members on club matters

## Work Experience

- Hehl Construction Services, Syracuse, NY- (June 2015-August 2018)
  - Seasonal Construction Assistant
    - Assisted senior workers in construction duties by performing supplementary tasks
    - Utilized various power tools to contribute to project completion
    - Maintained a safe work environment by cleaning and preparing work areas
- CNY Referee Association, Syracuse, NY- (June 2014-August 2014)
  - U7-U13 Referee
    - Served as a referee for youth soccer games for games of 30 players
    - Dealt with parents, coaches, and players through effective communication
    - Maintained an orderly, safe, and fair environment by establishing authority