

# Joseph Babbitt

Programmer, Robotist, Student & Creator

## EDUCATION

**Binghamton University** Vestal, NY

*Bachelors of Science in Computer Science GPA: 3.57*

August 2019 - May 2023

- Interests in Anthropology, Robotics, & Human Computer Interaction

**CoRE (Computers, Robotics, and Engineering House)**

*System Administrator - Executive Board*

**Brooklyn Technical High School** Brooklyn, NY

*Advanced Regents Diploma, AP Capstone Diploma, CTE*

*certification in Robotics GPA: 4.00*

September 2015 - June 2019

- Mechatronics and Robotics Major

**FIRST Team - Brooklyn TechKnights (FRC 334)**

*Captain & Programmer*

January 2016 - June 2019

- Former captain of the Brooklyn Techknights, FIRST robotics team
- Winner of 2 awards during tenure as captain
  - Top 10 performance at all regionals attended

## EXPERIENCE

**Bloomberg L.P.** New York, NY & Remote

*Engineering Intern*

Summer 2017, Summer 2018, Summer 2019, Summer 2020

- Team: Communication Channels 2020
  - Implemented threaded replies in Bloomberg's email client with an eye towards system architecture efficiency and UX standards
- Team: Internal Applications 2019
  - Rebuilt an in-house telephony service interface application
  - Responsible for UI/UX design in addition to middleware and frontend development
- Team: Communication Channels 2018
  - Introduced two client side features in the Bloomberg Terminal's proprietary instant messaging platform
  - Improved image delivery testing suite, improving performance by over 25%
- Team: Fixed Income 2017
  - Implemented a financial validation layer to increase development productivity within a small team

**BSSL** Binghamton, New York

*System Administrator & Shop Tech - Executive Board*

October 2019 - Present

- Spearheaded a custom booking and employee management software as System Admin, integral to our COVID-19 response
- Senior Lighting Engineer tasked with managing and "LD'ing" events

## COMMUNITY ACTIVITIES

**Boy Scouts of America (Troop 662)** New York, NY

*Junior Assistant Scoutmaster*

October 2010 - February 2019

- Held positions as PL, SPL, and ultimately JASM

**Friendship Circle UES** New York, NY

*Volunteer and Counselor*

September 2012- August 2016

- Volunteered as a counselor, providing a support group for individuals with special needs who normally face isolation in our communities

New York, NY (Studying in Vestal, NY)

**(917) 651-6798**

**sayHi@Joebabbitt.com**

[JoeBabbitt.com](http://JoeBabbitt.com)

## EXPERIENCE IN

**Agile development, Blockchain technologies, Complex codebases, Chrome Extension development, DPKG, ES6, Full stack development, Git, IBM MQ, Node.JS, OAuth2, Open source contribution, API creation & usage, React, Robotics, Telephony systems, UI/UX, Unit testing, Web design, WebRTC, WebSockets**

## LANGUAGES

**Programming**

Python, Javascript, Java, HTML, CSS, C++, LabVIEW, C,

## AWARDS

**White House Maker Faire Honored Maker**

June 2014

Invited to the first ever White House Maker Faire as an Honored Maker

**National Geographic Engineering Exploration Challenge Winner**

May 2014

One of four winners of the International Engineering Exploration challenge

**Boy Scouts of America Eagle Scout**

November 2017

Eagle Project: development of a computerized database software that allows senior centers specially equipped for residents with dementia to send out computer generated personalized newsletters.

**National Honor Society Senior Chairman Committee MVP**

2018-2019

Senior Chair of Tours Committee

**SPARK For Autism App Challenge 2nd Place - Prototype**

March 2018

Created a social network that allows autistic students to communicate with advanced parental supervision.

**NASSP LEAD Chicago Conference**

April 2019

Technology speaker, discussed how custom software increases management efficiency.

**Council of School Supervisors and Administrators Student Leadership Award**

June 2019

**Deloitte Foundation Cyber Threat Competition 2nd Place**

February 2020