Joseph Babbitt

Programmer, Roboticist, Student & Explorer

New York, NY (& Vestal, NY)
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EDUCATION

Binghamton University Vestal, NY
Bachelors of Science in Computer Science **GPA: N/A**
August 2019 - May 2023
- Freshman studying Computer Science
  - Interests in Psychology, Robotics, and Human Computer Interaction

CoRE (Computers, Robotics, and Engineering House)
Freshman Representative - Executive Board

Brooklyn Technical High School Brooklyn, NY
Advanced Regents Diploma, AP Capstone Diploma, CTE certification in Robotics **GPA: 4.0**
September 2015 - June 2019
- Mechatronics and Robotics major
  - Relevant Courses: AP Computer Science (P), AP Calculus BC, AP Physics 1, AP Macroeconomics, AP Research, AP Seminar, Robotics I & II, Computer Integrated Manufacturing

FIRST Team - Brooklyn TechKnights (FRC 334)
Captain & Programmer
January 2016 - June 2019
- Programmer on the Brooklyn Techknights, a 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 & London, UK
Engineering Intern
Summer 2017, Summer 2018, Summer 2019, Summer 2020 (Incoming)
- Implemented a financial validation layer to increase development productivity within a small team
  - Team: Fixed Income
  - Year: 2017
- Introduced two client side features in the Bloomberg Terminal's proprietary messaging platform
- Improved image delivery testing suite, improving performance by 25%
  - Team: Communication Channels
  - Year: 2018
- Rebuilt an in-house telephony service interface application
- Responsible for UI/UX design in addition to middleware and frontend development
  - Team: Internal Applications
  - Year: 2019

COMMUNITY ACTIVITIES

Boy Scouts of America (Troop 662) New York, NY
Junior Assistant Scoutmaster
October 2010 - February 2019
- Junior Assistant ScoutMaster (JASM)
- Former Senior Patrol Leader
- Influential part of expansion of troop from 7 to 50+ members.

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.

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, Java, Javascript, C#, LabVIEW, C, HTML, CSS

Natural
English, Hebrew

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

National Honor Society
Senior Chairman
Committee MVP
2018-2019

Senior chair of Tours committee

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.

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