Joseph Babbitt

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EDUCATION

Binghamton University, State University of New York, College of Engineering and Applied Science
Bachelor of Science in Computer Science   **August 2019 - May 2023 (Expected)**
GPA: 3.62/4.00 | Dean's List: Fall 2019 – Present

TECHNICAL SKILLS

Languages: Python, Javascript, Java, C++, C, MIPS Assembly, LabVIEW
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

PROFESSIONAL EXPERIENCE

Fairly, Tech Lead | New York, NY   **March 2020 - May 2021**
- Single-handedly designed and implemented MVP netting 6 figures in sales in under a month
- Worked with co-founders closely to mold and realize a constantly changing vision, iterating and creating products to destabilize a $600 billion industry
- Wrote and maintained a complex codebase, working in isolation as well as with a remote team

Bloomberg, Engineering Intern | New York, NY & London, UK / Remote (due to COVID-19)   **Summer 2017 - 2021**
- Team: Security Operations *2021*
  - Reimagined physical visitor identification system from scratch with a full redesign of both front-end editor and backend systems
  - Resulted in removal of 6 extraneous services and decreased latency of over 45 seconds (70%) in real-world use
- Team: Communication Channels *2020*
  - Implemented threaded replies in Bloomberg's email client with an eye towards system architecture efficiency and UX standards
  - Operated across teams and technologies to create a new data pipeline, tying legacy and new data sources together
- 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*
  - Realized a financial validation layer to increase development productivity within a small team
  - Saved thousands in development costs by in-housing costly post-trade workflows

Binghamton Sound Stage and Lighting, Assistant Manager | Binghamton, NY   **October 2019 - Present**
- Spearheaded a custom booking and employee management software as System Admin, integral to COVID-19 response
- In charge of day-to-day operations and 50+ employees
- Senior Lighting Engineer tasked with managing and "LD'ing" events

PROJECTS

S.L.U.G.S. | Binghamton, NY   **April 2020 - Present**
- Developed and currently maintain custom management software for Binghamton Sound Stage and Lighting
- Centralizes sporadic employee scheduling, employee management, and manager workflows
- Strategized closely with financial department in addition to university administrators to tailor functionality, cutting down on cross-company communication

Soup's On | New York. NY   **May 2019**
- Awarded 2nd place overall at TeenHacks inaugural hackathon
- Created a full-stack SAAS application in a team of two using complex algorithms to setup lunch groups at comfort restaurants and new finds alike

Walk-To | New York, NY   **May 2017**
- Awarded best mobile app at Stuyhacks IV for re-imaging commuting transit apps with a location-based decision-making app

COMMUNITY ACTIVITIES

LUMA, Technical Director Volunteer | Binghamton, NY   **September 2021**
- Worked with local talent, Panasonic engineers, AV professionals, and artists worldwide to transform 78 Collier St into a 3D canvas using projection mapping
- Utilized industry software, WATCHOUT to align a 10-projector setup with seamless blends
- Ran Tech for site, setting up power, sound, and data; In addition to troubleshooting constantly arising issues

Meal Delivery, Volunteer | New York, NY   **2021**
- Volunteered with local community organizations to deliver meals to homebound residents during COVID-19 pandemic