Jon M. Beaulieu Jr.

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EDUCATION

Massachusetts Institute of Technology   **2017**
Bachelor of Science, Electrical Engineering and Computer Science

WORK EXPERIENCE

Regal Development Program   **2017 - Present**
Regal Beloit Corporation
Participant in rotational leadership program, designed to give participants executive management experience. Developed a user interface for a new electric motor prototype. Created a proof-of-concept IoT platform for Regal products, involving full-stack development from sensor-level microcontrollers to mobile and web applications. Current work involves designing a cybersecurity dashboard to recognize and track threats across Regal's network infrastructure. Member of Regal's IoT working group, which meets with vendors, develops best practices, and advises ongoing internal IoT-related projects.

Undergraduate Teaching Assistant   **2016 - 2017**
MIT Institute for Data, Systems, & Society
Assisted in the creation of an online data science course, "Data to Insights", for MIT's Professional Education program. Edited lesson plans and curated reading material on topics such as data mining, deep learning, and prediction systems. During the course, offered help and coding advice to class participants.

Enterprise Architect & Security Intern   **2016 - 2017**
MIT Information Systems & Technology
Designed a new REST API to promote better data sharing and reduce academic record paperwork within MIT. Implemented Python scripts to streamline the collection of security records and combat malware.

Development Intern, Bobby Rahal Automotive Group   **2012 - 2016**
Performed network infrastructure upgrades for an automotive dealership management firm. Evaluated hardware and software packages, including Unix, Windows Server, and SQL platforms. Developed a suite of .NET tools to perform maintenance tasks regarding corporate accounts and client software compliance.

Undergraduate Research Assistant, MIT   **2015**
Tested the thermal and electrical properties of a new nanomaterial. Constructed sensor-level monitoring tools, and wrote Python scripts to automate the analysis and graphical presentation of test data.

LEADERSHIP

General Manager, WMBR 88.1 FM   **2015 – 2017**
Supervised all operations of WMBR, an FCC-licensed Class-A radio station. Oversaw programming curation and work duties of members. Created and managed annual operational budget of $75,000. Increased revenue by 10% year-over-year. Represented WMBR in relations with MIT and the FCC.

Program Director, WMBR 88.1 FM   **2013 - 2015**
Created seasonal schedules for MIT's student radio station, allocating airtime to each of the station's 150+ members. Responsible for handling listener feedback and coordinating community outreach.

SKILLS & PROFICIENCIES

Proficient in: Java, Python, MATLAB, C#, HTML, Javascript, C++, Android development
Experience with: C, Ruby, PHP/SQL, Unix System Administration, Swift
Creative skillset: UI/UX design, User testing, Prototype evaluation, Adobe Creative Cloud