Jon M. Beaulieu Jr.

jbeaulieu@alum.mit.edu | 857.318.2940 | jonbeaulieu.com | Milwaukee, WI

EDUCATION

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

WORK EXPERIENCE

Regal Development Program – Internet of Things   **June 2017 - Present**
Regal Beloit Corporation
Participant in rotational leadership program, designed to give new graduates executive management experience. Created proof-of-concept IoT platform for Regal products, involving full-stack development from sensor-level microcontrollers to mobile and web apps for data visualization. Current work includes developing a user interface for a new electric motor prototype, and participating in working group to advance Regal's IoT infrastructure.

Undergraduate Teaching Assistant   **September 2016 – March 2017**
MIT Institute for Data, Systems, & Society
Assisted in the creation of an online Data Science course: "Data to Insights", within 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,   **June 2016 - January 2017**
MIT Information Systems & Technology
Developed new APIs to facilitate better security and data sharing within MIT's internal network. Designed a new REST API to reduce paperwork associated with student academic records. Implemented Python scripts that streamlined the collection of security records for combatting malware across MIT's network.

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 Arduino-based monitoring tools, and wrote Python scripts to automate the analysis and graphical presentation of our 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 operational budget of $75,000. Increased revenue by 10% during annual fundraiser. 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