

Jon M. Beaulieu Jr.

contact@jonbeaulieu.com | 857-318.2940 | Milwaukee, WI

EDUCATION

Massachusetts Institute of Technology

2017

Bachelor of Science, Electrical Engineering and Computer Science

WORK EXPERIENCE

IoT Program Leader

Regal Beloit Corporation

July 2019 - Present

Established standards and best practices for the development and support of new connected products within Regal's commercial motor business. Current work involves designing an in-house cloud platform built on Microsoft Azure to unify products under a single web infrastructure.

Regal Development Program

Regal Beloit Corporation

2017 – June 2019

Participant in Regal's rotational leadership program, designed to give participants executive management experience across business areas. Completed four projects over two years, in the following areas:

- *Internet of Things*: Created a proof-of-concept IoT platform for Regal products. Aggregated data from microcontrollers into a web platform, and displayed it to users through Android applications.
- *New Product Development*: Assisted in the creation of a new electric motor prototype. Developed a digital user interface which paired with the motor to offer operator feedback and data collection.
- *Cybersecurity*: Designed a dashboard to recognize threats across Regal's network infrastructure. Leveraged data in Oracle, Microsoft, and LogRhythm databases to identify issues and resolutions.
- *Project Management*: Supervised the relaunch of an IoT-enabled pump product. Planning included the development of a new cloud system, user migration strategy, and mobile app redesign.

Enterprise Architect & Security Intern

MIT Information Systems & Technology

2016 - 2017

Designed new REST APIs 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.

Undergraduate Teaching Assistant

MIT Institute for Data, Systems, & Society

2016 - 2017

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.

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.

SKILLS & PROFICIENCIES

Proficient in: Java, C#, C++, Android development, Microsoft Azure, Python, SQL, Power BI

Experience with: C, Angular JS, React JS, Ruby, Swift

Creative skillset: UI/UX design, User testing, Prototype evaluation, Adobe Creative Cloud