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<b>2016 – 2020</b>	<b>University of Illinois at Urbana-Champaign</b> <b>College of Engineering, Department of Electrical and Computer Engineering</b> <ul style="list-style-type: none"> <li>• Electrical Engineering (B.S.)</li> </ul>	<b>Champaign-Urbana, IL</b>
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- **Certification in Value Chain Management (Coursera)**
  - Includes coursework on Managerial Accounting and Operations Management
- **Knowledge of Microsoft Office, and Project Management**

<ul style="list-style-type: none"><li>▪ Statistical Analysis</li><li>▪ Operations Management</li><li>▪ Data Structures</li></ul>	<ul style="list-style-type: none"><li>▪ Audio/Video Signal Processing</li><li>▪ Circuit/PCB Design</li><li>▪ Digital Computer Systems</li></ul>	<ul style="list-style-type: none"><li>▪ MATLAB</li><li>▪ Python</li><li>▪ C++</li></ul>
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**ETHICON ENDO-SURGERY INC. (JOHNSON & JOHNSON)**  
**Energy R&D Co-Op (Generator Team)**

**Cincinnati, OH**  
**May – August 2019**

- Responsible for end-to-end management of project including leading design reviews, interfacing between mechanical and electrical engineering teams, and creating project schedules with the use of tools like Gantt charts
- Designed circuit schematics and PCB layout for Capacitive Touch Board and NFC Reader board in Generator
- Responsible for testing and manufacturing PCBs to achieve desired functionality

- Prototyped and tested various circuits and sensors to transmit data through Bluetooth during device operation. Intended for implementation across various devices in the Endomechanical franchise
- Performed Design Failure Mode and Effect Analysis (DFMEA) on circuit schematics to design requirements to prevent life-threatening device failures
- Designed and simulated circuit schematics using OrCAD Cadence/Pspice Software for Circular Stapler device
- Created tutorials and documentation on use of OrCAD Cadence and Allegro Design software

- Utilized SQL, ASP.NET and MVC models to create and display internal employee registration database information through webpages involving CRUD Operations

- Designed curriculums for and taught classes and about Circuits, Electronics, Soldering, Arduino, and Wearable Electronics
- Created training materials for new instructors for classes targeted towards children between grades 3-8

- Involved with customer interaction and satisfaction, including sales of new products, education about new technologies, and recommending on products based on the needs of the customer

<b>Chai Town A Cappella</b>	<b>Champaign-Urbana, IL</b>
<b>Vice President</b>	<b>2017-Present</b>

- Responsible for all of Chai Town's internal and external obligations, such as managing relationships with the University, Concert hosts, Media/Video content creation and publishing records
- Responsible for negotiation of financial contracts with clients regarding reimbursement for transportation and performance fees
- Responsible for marketing towards clients to secure performance opportunities, and to public to spread studio produced content on Spotify, YouTube, and other social media platforms