



# Aaron J Ward

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## Education

### Northwestern University

MS Engineering Design and Innovation  
June '11

### Bradley University

BS Mechanical Engineering  
December '07

## Work Experience

### Anheuser-Busch InBev

St. Louis, MO  
Engineer I February '16 – Present  
SME Tech II October '13 – February '16

### Integrus Energy Group

Chicago, IL  
Engineer October '11 – July '13  
Associate Engineer February '08 – October '11

## Career Highlights

### Anheuser-Busch InBev

- Led a cross-functional team to prototype an innovative method for injecting ingredients into beer and other liquids
- Developed new process to increase efficiency of craft beer production
- Implemented a commodity metering program at multiple locations; set standard for future installations
- Optimized pumping systems using DMAIC six-sigma methodology
- Created brewery capacity models based on equipment specifications and process conditions
- Built a database driven dashboard for utility systems KPI monitoring;
- Generate engineering specifications for the purchase of new equipment
- Perform factory acceptance tests and commission brewing and packaging equipment
- Scope and fund capital projects to increase production capacity of beer at large and small facilities
- Frequently present projects scoping documents, execution status and technical achievements to senior leadership

### Integrus Energy Group

- Trained hundreds of users on usage of new asset management software system
- Developed web-based interface for a SQL database to increase productivity of field supervisors
- Implemented mobile tablet system to improve field data collection and eliminate paper forms
- Communicated face to face with customers and stakeholders around service impacts of large capital projects
- Led shutdown of high volume natural gas line to prepare for underground pipe replacement
- Scoped and executed multiple gas main replacement and installation projects

### Northwestern University

- Performed user research and developed prototypes for feminine care products
- Ideated and rapid prototyped hundreds of ideas and 3D printed prototypes of fitness trackers
- Created immersive museum experience while driving museum visitor traffic in specific patterns

### Bradley University

- Developed a patentable prototype of a gas delivery system for a US Department of Energy project - Published
- Fabricated brake rotors and suspension parts for Formula SAE team
- Served as a resident advisor for 2 years over freshman and sophomores

## Skills

- Microsoft Office; Excel, Powerpoint, Access, Vizio, Project
- HTML • CSS • JavaScript • C++ • Python • Arduino • Adobe Creative Suite • SketchUp • SolidWorks
- Project Management • Project Economics • Operations • Technical Problem Solving