MATTHEW KAISER

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OBJECTIVE To obtain a career in the Electrical Engineering field that will allow me to utilize my skills learned through my education, internships and personal projects. Along with becoming a part of a company that I can work with a team to develop my experience and provide new insight.

EDUCATION UNIVERSITY AT BUFFALO, THE STATE UNIVERSITY OF NEW YORK
Bachelor of Science in Electrical Engineering, expected May 2016
GPA 3.4/4.0

EXPERIENCE **ATTO TECHNOLOGY, INC.,** Amherst, New York
Hardware Engineer Co-op, 06/2015 – Present

- Plan the hardware design constraint of a project based on functional requirement documentation created by the project team.
- Using Mentor Graphics CAD software to create schematics, board layouts, routes and release files.
- Properly chose and determine the best possible parts list for a PCB by mathematically analysis, including power, thermal, mean time between failure, and size constraints.
- Continue future development using the latest technology ranging from hybrid capacitors to leading edge FPGA development platforms.
- Collaborate with different departments to meet the team's end goal.

THE ATLAS PROGRAM AT ROSWELL CANCER INSTITUTE, Buffalo, New York
ATLAS Research Engineer Internship, 04/2014 – 06/2015

- Brainstorm, design and construct electronics/mechanical devices in order to solve problems in the hospital environment.
- Utilize Autodesk Inventor to create 3D models of proposed solutions.
- Clearly state and document any research or designs for patent and grant applications.

RAF SUPPLY, Cheektowaga, New York
Technician, 07/2014 – 06/2015

- Diagnose, repair and maintain power tools, ranging from electrical to mechanical problems.
- Communicate with customers to help better understand problem and properly solve issues.

SKILLS Schematic, PCB layout and routing with the Mentor Graphics product line.
Computer language such as Java, Visual Basic, HTML, CSS, VHDL, C, C# and C++.
Compilers such as Arduino, MatLab, Unity, Maple, Processing, and Visual Studio.
3D Computer aided design with Autodesk Inventor and SolidWorks.
Microsoft Office, such as Excel, Word, PowerPoint, OneNote and Publisher.
Knowledge of data storage device design and implementation.
Team leadership and team organization.

AFFILIATION **ENGINEERS FOR A SUSTAINABLE WORLD**
Battlebots Project Leader

- Lead the brainstorming, design and construction process for the Battlebot event.
- Use Autodesk Inventor to design a 3D model and verify the proposed robot.
- Help work with members of the club to ensure everyone's idea is heard for the best outcome.

Solar Charging Station Project Leader

- Design and build a solar powered charging station for cell phones and personal computers.
- Lead fellow classmates to develop software and electronics to be used for data measurement, logging and graphical display in small package to be implemented on the solar charging station.