ALEXANDER T. YOUNG

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OBJECTIVE

Seeking a Computer/ Electrical Engineering co-op position for the Spring and Summer of 2016.

EDUCATION

Rochester Institute of Technology – BS/MS Dual Degree – Expected May 2019   2013 to Present

- B.S. in Computer Engineering Technology; Minor: Economics - College of Applied Science and Technology
- M.S. in Computer Science **-** Golisano College of Computing and Information Sciences
- GPA: 3.61; Dean's List Every Semester

SKILLS

- Expertise and understanding of many computer applications including Adobe Master Collection CS6, Autodesk Inventor, Autodesk AutoCAD, Google Apps, Microsoft Visio and Microsoft Project
- Computer Languages: C/C++, Java, Python, HTML/ CSS, Robot C, Matlab, VHDL with FPGA devices

ACTIVITIES

Electrical Team Co-Lead   2014 to Present
RIT Electrical Vehicle Team

- Managed and led electrical projects spending 15-20 hours per week designing, assigning tasks, reviewing designs and manufacturing parts; Completed and raced our first generation fully custom superbike during summer 2015 based off of a 2005 Kawasaki Ninja ZX6RR frame
- Designed a 9-axis sensor breakout board for the CAN bus system and a Battery Management System configuration board

WORK EXPERIENCE

EID-IT Leadership Program – Project Manager and Enterprise Solution Architect Intern   Summer 2015
General Electric – Power & Water

- Managed 50+ projects to shut down a global data center and reducing footprint of another by over 50%
- Reported to CTO on 50+ projects to show progress on data center closures; cut data center costs by 25%
- Completed Visio drawings for 125 global applications (Web, Engineering, and custom)
- Standardized the operation of 100+ application stacks (Web, ERP, and custom) across the business

Web Developer and Solution Architect Intern   Summer 2014
Church & Dwight Co., Inc. (Arm & Hammer)

- Developed software tests, supporting documentation, and training materials for a global manufacturing migration to reach profitability in less than 3 years
- Utilized multiple content management systems to launch, update and improve 12+ brand sites, including Orajel, Arm & Hammer, and Trojan
- Principal tester in Global Data Warehouse upgrade to SAP 4.1 with a 30% lead in productivity

Information Systems Consultant and Installation/Repair Team Member   Winter 2014
Sawyers Control Systems Inc.

- Designed a redundant data storage solution using Citrix ShareFile from a custom NAS implementation
- Installed and repaired Axis network security camera infrastructures in commercial and residential settings
- Designed camera and door security plans for large commercial clients using AutoCAD

Information Systems Project Manager/IT Support Specialist   2010 to 2013
Hunterdon Central Regional High School

- Managed team of 10 staff and student interns through various technology projects such as deploying VMware VDI for 1000 devices, distribution of 500+ newly purchased devices, and sustained Cisco network infrastructure
- Designed and executed organization-wide deployment plan from Windows XP to Windows 7 for 2500+ devices using Windows Deployment Services; Completed 3 months ahead of timeline given
- Launched centralized help desk and training to support 3500+ users across the organization increasing response times by 35%

LEADERSHIP EXPERIENCE

Engineering Mentor   2013 to Present
HCRHS FIRST Robotics Team 3637

- Mentor 50+ high school students in valuable skillsets such as mechanical engineering, electrical engineering, and programming
- Advised students in the development of a mecanum drive base including an innovative modular electrical system