**Philip Walker**

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*github site here*

**Objective**

Directly apply my skills and experience in system thinking, statistical analysis and model development planning to improve production processes and reduce product variation.

**Education**

California Polytechnic State University, San Luis Obispo

Bachelor of Science in **Industrial Engineering** – June 2012

Master of Engineering in **Integrated Technology Management–** June 2012

**Relevant Coursework:**

Quality Engineering Project ManagementSystems Engineering Supply Chain Management Database Design and Management Operations Research Design of Experiments (DOE) Simulation Work Design and Measurement

California Polytechnic State University, San Luis Obispo Cumulative GPA: 3.89

**Experience**

**Jackson- Sr Operations Business Process Analyst**- Lansing, MI January 2016- Present

* Merit Bonus model development and deployment. Worked directly with department heads and SVP
* Streamlined Operations budgeting process
* Led development of interns for multiple summers. Developed an onboarding class to Operations and Operations Analytics which transformed from an unstructured process to and 2 week process which allowed the new hires to make substantial contributions within their first month
* Characterized business decisions through utilization of supervised machine learning principles (SLA, forecasting)
* Shepard SAS administration role into a System Administration role increasing the accessibility of SAS, R, python, VBA, SQL into the entire analytics team. Developed and deployed a internally developed knowledge base to improving the sharing of knowledge and best practices throughout all end users within Operations.
* Developed a metric to capture the overall health for Operations. Partnered with Operations Command Center to deploy to widespread acceptance
* Developed a database to capture and consolidate the multiple system naming conventions. Led to cutting OA development time in half

**HGST, a Western Digital Company- Process Engineer II**- San Jose, CA July 2012- December 2015

* Lead Process Engineer for five layers in CMP process in Class 100 clean room supporting 24/7 manufacturing. Daily use of statistical analysis and manufacturing automation to control and continually improve process capability. Lead engineer for in-situ wafer measurement and control.
* Daily utilization of SAS/SQL programming and statistical knowledge to develop and implement automated analysis systems for CMP Process Engineering and Equipment Engineering teams.
* Trainer and educator of current Advanced Process Control system for Process, Development, Equipment and Manufacturing teams. Provides process module development expertise for new process realities within the CMP process area.

**Hitachi Global Storage Technology- Industrial Engineering Intern**- San Jose, CA July 2011- August 2011

* Designed and implemented experiment to reduce product variation within wet process. Developed and implemented model development certification class for Chemical Mechanical Planarization Engineers. Characterized CMP process and developed program to produce most efficient process order. Developed program to monitor OEE for optical thickness measurement tools. Developed two testing plans for Chemical Mechanical Planarization tool qualification.

**Hitachi Global Storage Technology**- APC Intern - San Jose, CA July 2010- Sept. 2010 & July 2009- Dec 2009

* Performed set-up and qualification for optical thickness measurement tool for Chemical Mechanical Planarization. Developed metrology recipes for Advanced Process Control and CMP. Performed data analysis and correlation studies. Developed and performed testing plan for Chemical Mechanical Planarization tool qualification. Prepared operators for new tool deployment. Designed and implemented data sampling procedures for new process development. Performed data analysis and correlation studies.

**­­Skills**

Proficiency using: SAS, JMP, Minitab, Microsoft Excel, Word, PowerPoint, Visio, Access, SolidWorks, Pro-Engineer, AutoIT, SQL for Basic Relational Databases, Python, JSL, ImageJ, Linux and Microsoft Windows 2000/XP/7/8 operating systems.

**Leadership/ Involvement**

East Lansing Ultimate Frisbee Association Leader,

Holy Spirit Young Professionals Founding Member, 2012 - 2015

Author, Cal Poly IME 223 Process Improvement Fundamentals Lab Manual, 2011-2012

Lab Coordinator, Process Improvements Fundamentals, 2011-2012

Coordinator, Cal Poly Industrial Engineering Open House 2007-2011

Leadership team, InterVarsity Christian Fellowship, 2007-2011