

# JIAJUN (CHERYL) CHEN

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## EDUCATION

### Bachelor of Science in Industrial Engineering

Expected Graduation – May 2016

GPA – 3.91/4.00, Dean's List All Semesters

The Pennsylvania State University

University Park, Pennsylvania

- Recipient of the 2014-2015 Harold and Enge Marcus Endowment Scholarship

## SKILLS

- R/RStudio
- C++
- Microsoft software
- SolidWorks
- MATLAB
- Data Analysis
- Lean Manufacturing
- Inventory Plan
- Workflow Design
- Public Speaking

### Languages

- Mandarin
- English

## INTERNSHIP EXPERIENCE

### Schneider Electric, Leesport, PA

Jun 2014 – Aug 2014

*Facility Management Intern*

- Improved efficiency of electric panel production line by dividing work-stations and apply 5S principles
- Created work instruction to standardize manufacturing processes and improve product quality
- Executed Time and Motion Study to analyze and redesign working process

## RELEVANT EXPERIENCE

### Research Experience for Undergraduate (REU), University Park, PA

Jan 2016 – Present

*Data Analyst*

- Collected, cleaned, and processed digital camera related data that contains 2214 observations using R
- Utilized Machine Learning algorithms such as Random Forest and Ctree to forecast obsolescence
- Developed models that forecast camera obsolescence with accuracy as high as 95.45%

### National Organization of Business and Engineering (NOBE), University Park, PA

Aug 2015 – Dec 2015

*Consulting Team Member*

- Interacted with client (Greenway Logistics LLC) and to define the problems and the needs
- Utilized data analysis ability to provide solutions to improve client's logistics system and reduce cost
- Presented final solutions with PPT to the client and the project sponsors

### Business Analysis Project, University Park, PA

Aug 2014 – Dec 2014

*Undergraduate Research Team Member*

- Forecasted hourly arrivals at the Emergency Department of Geisinger Medical Center, Danville, PA
- Used Excel to clean and analyze data with 48,437 observations, and develop forecasting algorithms
- Forecasting algorithms were used by ED to project staffing needs by time of day

### Engineering Design 100 course, University Park, PA

Aug 2013 – Present

*Lab Assistant*

- Assisted students to design and build basic engineering models using SolidWorks software application

### Engineering Analytics (IE330) course, University Park, PA

Aug 2015 – Present

*Teaching Intern*

- Assisted Instructors and Teaching Assistants with coursework material and mentoring students

## ADDITIONAL EXPERIENCE & ACTIVITIES

### The Dota 2 Club

Spring 2015 – Present

Club Founder, Club Secretary

- Organized the Dota2 tournaments with participants of more than 60 people
- Recruited new members, contacted members, organized club meeting, and negotiated funding

### The Chinese Student Undergraduate Association (CUSA)

Spring 2013

Club Representative

- Represented CUSA during PSU qualification trials for the 2014 Robo Goldberg Machine Contest
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