



# JEFFREY CHEN

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## SUMMARY

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A data driven engineer looking to optimize operational workflow and standardize procedures and products

## EDUCATION

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### Rutgers University

Bachelors of Science // May 2012  
Material Science and Engineering  
Cum Laude

## SKILLS

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### Computer:

- Microsoft Word/Excel/PowerPoint
- Python/Ruby/R/Matlab
- SQL/Database Management
- Node/Rails
- HTML/CSS/JavaScript
- Adobe Photoshop/Illustrator/InDesign
- Google Analytics
- MOAT/IAS/DoubleVerify
- ExtremeReach
- Solidworks/Autodesk/Onshape/Sketchup/3D Printing
- Salesforce/CRM software
- Agile/JIRA/LiquidPlanner/Project Management Software

### Laboratory:

- Reactor and Instrument Calibration
- Ceramic green body preparation (Dry pressing and Casting)
- Thermo Gravimetric Analyzer (TGA)
- Fourier Transform Infrared Spectroscopy (FTIR)
- Mass Spectroscopy
- X-ray Diffraction (XRD)
- Porosimetry (Hg)
- Ultraviolet-Visible Spectroscopy (UV-Vis)
- Ion Chromatography (IC)
- Acoustosizer
- SEM

### Language:

- Fluent in Chinese (Mandarin)
- Basic in German

## EXPERIENCE

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### Yield Manager: *AdTheorent*

Jun 2017 – Present

- Squeeze margin out of 12.9 millions dollars while ensuring delivery and exceeding industry kpi benchmarks
- Increase operational efficiency through reorganization and standardization of methods and practices
- Introduce automated VB and Python scripts to reduce manual repetitive processes
- Provide data driven solutions and advanced reporting to clients including Nike, Adidas, Honda, AbbVie, ACMoore
- Coordinate innovating RTDM strategies to stay ahead of the ever-changing industry standards including CTR, CPC, CPA, RME, VTR, Viewability, SEO, Contextual, Keywords, and audience building

### R&D Engineer II: *Quantum Materials Corp*

Sept 2016 – Jan 2017

- Performed and implemented gap analysis on 250k instrument
- Designed and Rapid Prototyped fixtures and parts for next revision instrumentation and experimental projects, resulting in a continuous flow process
- Led weekly meeting with team members to coordinate projects, objectives, and deliverables, while eliminating blockers; using Agile and lean manufacturing tactics
- Implemented and enforced OSHA standards through documentation and training, effectively reducing workplace accidents by 90%
- Managed vendors and supplies using Six Sigma's Kanban system, reducing down time and stagnant inventory

### R&D Engineer: *Energy Storage Systems, Inc.*

Oct 2013 – Jul 2016

- Presented regularly to research and production teams backed with experimental results, and planned next steps
- Constructed and maintained R&D laboratory space and technicians, optimizing workflow and standardizing chemicals and equipment
- Improved design for manufacturability, and scalability from laboratory to production scale increasing battery capacity 792%
- Reduced the cost of battery component by 98.3% without sacrificing performance

### Post Bachelors Research Associate:

May 2012 – Oct 2013

*Geochemistry Division, Pacific Northwest National Laboratory*

- Developed and engineered the world's first in-situ infrared spectroscopy capability, allowing the capability to measure real-time data at high temperatures and pressures
- Received 2 Million Dollar proposal to set up state of the art environmental chamber, resulting in ambient temperature stability of  $\pm 2^\circ$  Celsius
- Coded programs using C, .Net, and Python to communicate with instruments as well as to improve data analysis abilities
- Used Computer Aid Design software to design, and prototype new sections of instrument, with error reducing poka-yoke features