

# Edwin Tan Lim

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## Work Experience

### The Home Depot, Atlanta, GA

October 2021 – Present

Financial Systems Analyst – Supply Chain Analytics and Finance Systems

- ❖ Leading continuous improvement of Carrier Invoice Management to eliminate 35% of existing errors by collaborating with engineers.
- ❖ Initiating statistical studies with Access, BigQuery SQL, visualizing data in Tableau, and presenting results to executive leadership.
- ❖ Reengineering current invoicing processes to reduce 50% of manual tasks by creating data simulation in Python and BigQuery SQL.
- ❖ Managing sprints as product manager using Jira and directing quality testing to mitigate data risk and enhance overall systems.
- ❖ Establishing strong relationship with carriers by handling Zendesk technical inquiries in a timely manner with 100% satisfaction rate.

### Boehringer Ingelheim, Athens, GA

August 2021 – October 2021

IT OPS Digitalization Co-op

- ❖ Constructed an automated scan with VBA to reduce manual compilation by 60% and optimized load time by 3 seconds per file.
- ❖ Ideated, scoped, and launched a digital software with IT Operations team that detected lab occupancy with 55% real-time data.
- ❖ Executed a digital maturity assessment to define equipment list and scope to identify potential solutions to optimize OEE calculation.

### United Parcel Service (UPS), Atlanta, GA

June 2021 – August 2021

Base Procurement Intern

- ❖ Directed projects related to contracting, data collection, analysis, and price negotiation resulting in a 22% increase in savings.
- ❖ Revamped audit process yields in 43% communication improvement and sustained business relationships with 396 vendors.
- ❖ Optimized quality data trends with VBA Excel Macros, retrieved data with MS SQL, and visualized big data with Power BI.

### Boehringer Ingelheim, Duluth, GA

August 2020 – January 2021

Sourcing/Purchasing Co-op

- ❖ Conducted market research to discover a list of 100 potential suppliers capable of manufacturing sterile injectables.
- ❖ Proposed, designed, and constructed an automated entry database in VBA Excel Macros for 53 internal customers and organization.
- ❖ Analyzed new purchasing trends to share with the leadership team and created visualizations in Visio for cross-functional teams.

### A/C Sales Corporation, Norcross, GA

August 2019 – August 2020

Estimator Co-op

- ❖ Provided cost estimates up to \$68,000 and materials take-off based on blueprints, specifications, and related documents.
- ❖ Communicated with 161 clients and vendors and performed data entry to ensure all items were quoted accurately and timely.

### KSU Supplemental Instruction, Marietta, GA

August 2018 – May 2020

Chemistry SI Leader

- ❖ Conducted 117 in-person and 18 virtual Chemistry sessions via MS Teams for students and taught effective study skills.
- ❖ Marketed 135 SI sessions to increase student attendance, collaborated with supervisors, and mentored new SI leaders.

## Other Relevant Experience

### Ecomspaces, Atlanta, GA

January 2021 – May 2021

Process Improvement Engineer

Publication Link: [https://digitalcommons.kennesaw.edu/egr\\_srdn/59/](https://digitalcommons.kennesaw.edu/egr_srdn/59/)

- ❖ Optimized fulfillment processes by implementing lean six sigma principles resulting in a 56.81% reduction in wasted space.
- ❖ Constructed simulation model, KPI, cost analysis, and time study to revamp existing facility to increase space utilization by 10.15%.

## Project Experience

- ❖ **EDI 864 Visualization** – Designed visualization dashboards metrics in Tableau to identify technical errors carriers received to reduce 25% of Zendesk Electronic Data Interchange (EDI) tickets and promote positive business relationship.
- ❖ **Bike-Share Analysis – Google Data Analytics** – Generated data insights such as descriptive statistics in R and BigQuery SQL and built visualizations in Tableau and Pivot table to increase revenue by 15% by identifying cyclicistic historical bike trip trends.
- ❖ **Gas Station Simulation** – Constructed a simulation of a gas station by utilizing the collected raw data and simulated processes in the ARENA simulation software, including variables, process analyzer scenarios, and animations to optimize system processes by 20%.
- ❖ **Transportation and Logistics Software** – Designed and launched a logistics software leveraging the shortest path and the minimum spanning tree optimization algorithm to generate optimal distance and cost-effectiveness in MATLAB programming.

## Education

### Kennesaw State University, Kennesaw, GA

2017 – 2021

### Bachelor of Science in Industrial & Systems Engineering

Certified Google Data Analytics

GPA: 4.0; Minor in Quality Principles; Honors College (University Honors Scholar)

Certified Lean Six Sigma Green Belt

**Relevant Coursework:** Probability & Statistics, C++ Programming, Project Management, Operations Research, Simulation & Modeling, Supply Chain

**Honors & Scholarships:** President's List, Southern Polytechnic College of Engineering Scholarship, Phi Eta Sigma National Honor Society

## Skills

- ❖ Technical Skills: C++, R, MATLAB, Python, SQL, Tableau, Power BI, Visio, Minitab, ARENA, SolidWorks, Adobe, Jira
- ❖ Proficiency in Microsoft Office: MS Word, MS PowerPoint, MS Excel, MS Outlook, MS Project, MS Access
- ❖ Effective time management, detail-oriented, organized, communication skills, complex problem solving, agile, statistical analysis
- ❖ Languages: English and Indonesian