

EDUCATION

MS, Software Development	Boston University, Boston, MA	January 2020 – Present
MS, Electrical Engineering	Clarkson University, Potsdam, NY	January 2016 – May 2018
BS, Electrical Engineering	Shanghai University of Electric Power, Shanghai, China	September 2012 – June 2016

EMPLOYMENT HISTORY

Business Analyst	Avfuel Corporation	March 2019 – April 2020
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- I led various software projects that dealt with supply chains, company finance, inventory, and system errors
- I reviewed and modified Saleslogix CRM software code, performed feature code designing, and conducted code quality testing
- I analyzed and fixed several errors and formulas in our customized ERP software pertaining to procurement, dispatch fees, and pricing
- I also assisted with our company website using Microsoft Access, C#, and SQL
- I used SQL in our existent business data records to provide up to date data management, system cleaning, and de-duplication. I modified more than 520,000 records/accounting reports during this time including those related to state/sales taxes, refunds, revenue, sales and margins
- I analyzed and documented novel system configurations and business analytic processes via visio and powerpoint for current and future usage
- I utilized C# programming and python for our database condensation and restructuring efforts
- I worked and collaborated with at least 5 cross-function teams including finance, accounting, price supply and dispatch to define our software business protocols and systems functionality/requirements. This included adding new software features and troubleshooting software issues.

Electrical/Product Engineer	Aps Elastomers	August 2018 – February 2019
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- I worked primarily with our electronic devices (eg tensile testers, compounding/processing units, controller machinery) and elastic polymers including TPV, TPU, and TPE in terms of quality assurance, plant maintenance/troubleshooting, repair, warehousing, and filing/data software management
- I used autocad and revit to draw complex electrical circuitry and processor schematics
- I acted as the company liason with our manufacturing suppliers to ensure timely delivery of our products, price negotiation, and other inventory management
- I also performed analytics on our manufactured compounds including purity analysis and melt flow rate (MFR) testing

Quality Inspection Intern	Changchun Electric Equipment Company	July 2017 – August 2017
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- I evaluated various products including box-type substations hardware, signal boxes, transformers, wire connectors, circuitry, and capacitors to meet national and industrial standards
- I evaluated manufacturing protocol deficiencies and recommended corrective steps
- I reported to the head quality inspection engineers with standard deficiencies and circuitry errors

RESEARCH EXPERIENCE

Research Assistant in Lab of Lei Wu, Clarkson University

Spring 2016 - Spring 2018

- I worked on a project that analyzed and collected information on consumer usage of electric vehicles (EV) charging stations. We placed several EV stations in various locales (eg gas station, parking lot, home garage, bus station) and collected data on human behavior and usage to assess community power/charging needs

Power System Reliability Project, Clarkson University

Fall 2017

- I solved a network-constrained and security-constrained economic dispatch problem via linear programming for a local 5-bus power system. This involved use of lambda iteration method and dynamic programming
- I used the lagrangian relaxation method to solve a unit commitment problem related to hydrothermal system coordination and load management/generation

Undergraduate Thesis Research in Lab of Lei Wu, Clarkson University

Spring 2016

- I analyzed potential demand response capability of individual load serving entities (Potsdam, NY power markets) using MATLAB with over 700 historical load records
- I used ACF (autocorrelation function) and PACF (partial autocorrelation function) to determine model parameters

TECHNICAL SKILLS

MATLAB, SQL, Python, R, C, C++, Hadoop, C#, TibcoSpotfire, Tableau, AutoCAD, Revit, Quickfield, MS Word, Powerpoint, Excel, Microsoft Access, Jenkins, Visual Basic, HTML, Java, Circuit Design

LEADERSHIP AND STUDENTS ACTIVITIES/AWARDS

Events Planner, Chinese Scholar Student Association, Clarkston University	2016-2018
Elected Class Representative, Shanghai University of Electric Power	2012-2016
Vice President of Student Union, Shanghai University of Electric Power	2013-2014
Leader of Hosts & Editor-in-Chief of Student Television Station, Shanghai University of Electric Power	2013-2014
Car Exhibition Hostess, Zotye Auto, China Changchun International Automobile Expo	2014
YaTai Company Scholarship, Shanghai University of Electric Power	2014
First Tier Scholarship, Shanghai University of Electric Power	2012
Outstanding Student Award, Shanghai University of Electric Power	2012