

WILLY LIN

Houston, TX 77382

www.linkedin.com/in/willy-lin

832.447.5085

wl677@cornell.edu

EDUCATION

Cornell Tech at Cornell University, New York, NY

2019 – 2020

Master of Engineering, Operations Research and Information Engineering

Concentration in Data Science – Applied Machine Learning, Optimization Methods, Modeling under Uncertainty, Natural Language Processing, Deep Learning, Data Science in the Wild

Georgia Institute of Technology, Atlanta, GA

2011 – 2014

Bachelor of Science, Electrical Engineering, *Cum Laude*

Relevant Coursework – Probability/Statistics for ECE, Digital Signal Processing, Signals and Systems

PROFESSIONAL EXPERIENCE

CTI, LLC, Houston, TX

2019

Senior Consultant, R&D Department

Senior client facing project manager and quantitative analysis lead.

- Led consulting team in client site visits to facilitate technical interviews and onsite financial data analysis, resulting in a 20% delivery timeline decrease.
- Developed regression models using client activity data such as sales tracking to determine year over year trends for base period comparison establishment and future growth forecasting.
- Guided statisticians in understanding client data to select appropriate sampling methodology and sufficiently homogenous population of client R&D projects to reduce investigative workload by +80%.

ALLIANTGROUP, LP, Houston, TX

2016 – 2018

Project Manager, R&D Tax Credit Study Group

Calculated tax credits via financial data analysis to provide tax benefit for R&D companies.

- Generated \$2m+ in direct revenue through management of 70 simultaneous client files through tax filing year.
- Managed high value clients (>\$500k) sooner than peers due to high competency with technical credit calculations.
- Manipulated raw client time tracking data with 100,000+ lines of information to quantify employee R&D activity.
- Excellence Initiative:
 - Selected to group of 5 associates and managers to design new workflow paradigm for client delivery process.
 - Analyzed departmental metrics to kill inefficiencies within the quality control flow, reducing timeline by ~10%.

BAKER HUGHES INCORPORATED, Houston, TX

2014 – 2016

Research, Design, and Development Engineer II, Fiber Optics Group

Designed schematics and circuit boards for dual laser distributed temperature sensing system.

- Performed electromechanical modeling through SolidWorks component design and Altium circuit board design.
- Directed and performed QA mechanical/thermal tests by composing and implementing test plans and procedures.
- Developed and built photodiode and laser function board to test fidelity of third-party fiber coupling.

SKILLS & ACADEMIC PROJECTS

Language: English, Mandarin Chinese (fluent)

Coding / Software: Python, MATLAB, C / C++, Altium Designer, SolidWorks

Project Studio: Client – Bill & Melinda Gates Foundation: Five-person interdisciplinary team developing tech solutions to improve the financial lives of gig workers (Lyft, Postmates, housekeeping, etc.) and to make them more resilient to acute financial shocks.

Personal: Rock climbing, basketball, environmental conservatism