

Ethan P. Nguyen

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EDUCATION

The University of Texas at Austin, B.S. Mechanical Engineering, 3.6 GPA Austin, TX | Expected May 2023

- Concentration in Industrial Engineering and Management. Minors in Computational Science and Engineering and Business Foundations. Halliburton Scholar.

DIS Abroad, Spring Term Student

Copenhagen, Denmark | May 2021

- Maymester Scholarship Recipient. Studied Engineering Communications with 30 UT students in Denmark.

SKILLS & CERTIFICATES

- Python. Pandas. NumPy. Matplotlib. Scikit-learn. SQL (SSMS and MS SQL Server). R. Tableau. Power BI. Arduino. Raspberry Pi. Visual Basic. C#. MATLAB. SOLIDWORKS. Microsoft Office. Microsoft Power Query. Conversationally Fluent in Spanish.
- Data Analytics Professional Certificate (Google). Beginner and Intermediate Python 3 (Codecademy). Data Visualization and Machine Learning with Python (freeCodeCamp)

WORK EXPERIENCE

Wolfspeed, *Data Analyst Intern*

Durham, NC | May 2022 – August 2022

- Summer intern for industry-leading semiconductor company that specializes in silicon carbide diodes and MOSFETs used in electric vehicles, 5G, power supplies, and power systems.
- Programmed a script in Python to parse through and cleanse over 200 Word documents in order to store part-specific data in a SQL server. Additionally manipulated the data using Microsoft Power Query and VBA.
- Developed a graphical user interface in Visual Basic that queries into a SQL server and generates specification reports in Word or PDF formats. Compiles data for 200 parts currently produced. Used by Senior Product Managers, Compliance Engineers, and Customer Service.
- Created Tableau dashboards that visualize actual and projected sales and demand data up to 2030. Used by Finance Department to monitor and compare performance based on specific products, product families, and generation.

Lean Coaching Group Europe, *Engineering Consulting Intern*

Denmark and Italy | May 2021 – August 2021

- Summer intern for Europe-based consulting group that advises manufacturing firms by combining Lean, Toyota Production System, and McKinsey Manufacturing Practice methodology.
- Digitized Key Performance Indicator boards using Microsoft Power BI. Enhanced usability and efficiency within industrial production lines for key clients, including Danfoss Power Solutions and Tetra Pak.
- Partnered with McKinsey Digital Capability Center Venice. Installed digital sensors within Danfoss and Tetra Pak's warehouses that allowed for the collection of real-time data via Blackbird, a cloud-based system. Then, converted the live data into Multiverse, which allowed for virtual reality conference calls.
- Worked 50 hours/week. Lived and traveled solo in Denmark and Italy.

LEADERSHIP & VOLUNTEER EXPERIENCE

Phi Delta Theta – Texas Beta Chapter, *President*

Austin, TX | August 2019 – Present

- Elected President of UT Austin's oldest fraternity, which currently has over 30 members. Direct weekly chapter and Executive Board meetings. Organize philanthropy events, including service to the Central Texas Food Bank and ALS Association of Texas. Manage \$25,000 budget and ensure abidance of chapter bylaws.
- Provide weekly updates to UT Interfraternity Council, Sorority and Fraternity Life, and National Headquarters.
- Previously elected and served as Secretary, Philanthropy Chair, and New Member Educator. Recorded chapter minutes, delegated responsibilities at charity events, and served as a mentor to new members.

EXTRACURRICULARS

UT Austin Inventionworks, *Team Leader*

Austin, TX | September 2019 – Present

- Certified in Machine Shop Safety, Laser Cutting, and 3D Printing at Texas Inventionworks Studio. Conduct projects using reverse engineering, including an RC car and an automated pan flute

Longhorn Investing Team, *Member*

Austin, TX | August 2020 – Present

- Perform stock pitches and engage in discussions surrounding the stock market. Attend weekly meetings.