

## EDUCATION

**The University of Texas at Dallas (UTD)** B.S. Mechanical Engineering Aug. 2016 - May 2020  
GPA 3.98/4.00

**The University of New South Wales (UNSW)** Sydney, Australia Aug. 2018 - Nov. 2018  
HD WAM in engineering faculty (Equivalent of 4.0 GPA)

## EXPERIENCE &amp; PROJECTS

**Credera - Software Engineer/Technical Consultant, Open Technology Solutions** Sep. 2020 - Present

- Full-stack developer and technical consultant working with Java/Spring, React/Typescript, AWS & more
- Owner of critical path components for project migrating data architecture for ~\$20 billion revenue retailer
- Identified and implemented many optimizations; including reducing data consumption as much as 20x
- Primary frontend developer of central analytics page/marketing tool for ~\$250 billion revenue corp.
- Project experience focused on Apache Kafka data architecture and React/Material UI web apps

**Campus Oven LLC – Cofounder & CTO, Strategy/Tech/Product** Feb. 2020 - Jan 2021

- Cofounder of university-focused meal delivery startup operating across the DFW metroplex
- Designed delivery logistics systems & owned internal and customer facing platforms and analytics
- \$10,000+ in revenue across 3 months of full operations with < 10% of target market present

**Capital One - Business Analyst and Product Management Intern** June 2019 - Aug. 2019

- Analyzed implications of consumer credit trends on portfolio-wide loss forecasting (\$57 billion outstanding)
- Used Gradient Boost Modeling, residual analysis and other tools in modeling portfolio-level credit risk

**Nanostructured Materials Lab - Texas A&M Aerospace Engineering** May 2018 - Aug. 2018

- 1 of 13 summer undergraduate researchers selected for National Science Foundation's AERO-U program
- Researched close and far-field wire melt-electrospinning of graphene/polymer composites
- Experimental results and design suggestions led to ordering of new, custom vacuum electrospinning setup

## LEADERSHIP

**180 Degrees Consulting - Founder/President** Dec. 2018 - May 2020

- President and founder of UTD branch of the world's largest university-based consultancy
- Contracted 11 clients including Salvation Army & Camp Kesem. Received 230+ student applications
- Raised \$3000+ in funding; partnered with firms including Oliver Wyman, BCG, Bain, Credera, McKinsey

**Environmental Conservation Organization at UTD - President** Aug. 2017 - May 2018

- Raised \$10,000+ in sponsorships from organizations such as HackDFW and UTD Student Government
- Reclaimed over 1200lbs of pre-consumer food waste by relaunching UTD Food Recovery Network chapter

**UTD Senior Design/Capstone - Engineering Team Leader** Aug. 2019 - May 2020

- Sourced \$4,000+ in corporate backing for UTD's nationally recognized capstone program
- Recruited 6-person, multidisciplinary team for automated drone delivery proof-of-concept project
- Completed baseline project requirements 2 months ahead of schedule. Patent pending for prototype design

## AWARDS/HONORS

**Eugene McDermott Scholar** - UTD's flagship scholarship/leadership program, valued \$250,000+ 2016-20

**National Merit Scholarship** - \$2500 award given to 2,500 of 1.5 million eligible students (~0.16%) 2016

**Phi Kappa Phi** - 1 of top 7% of UTD juniors in nation's most selective all-discipline honor society 2017

**Peter Farrell Cup Semifinalist** - Semifinalist in annual idea/pitch competition at UNSW 2018

**Harvard Business School Peek Weekend** - Selected for highly competitive MBA preview program 2019

**Big Idea Competition Finalist** - Finalist (top 3) in UTD pitch competition (\$100,000+ in prizes) 2020

## ADDITIONAL INFORMATION

**Skills:** Java/Spring, Python, React, Node/Typescript, Terraform, Azure, AWS, R, SQL, GBM (XGBoost)

**Languages:** German (fluent), English (fluent), Dutch (working proficiency), Spanish (working proficiency)

**Interests:** Political Prediction Markets, Journalism, Riddles, Soccer, Ultimate, Reading, Travel

**Volunteer Experience:** ~940 hours since August 2016, focus on impact volunteering and sustainability