

ETHAN ROSE

ehrose00@utexas.edu

309 E 38th St · Austin, TX 78705 · (469) 404-0763

EDUCATION

The University of Texas at Austin	Bachelor of Science, Biomedical Engineering	May 2022
	Minors: Business & Elements of Computing	May 2022
	McCombs Summer Institute: 9-week Entrepreneurship Intensive	Summer 2020

EXPERIENCE

Kroger Technology and Digital – *Software Engineer*; Austin, TX June 2022 – Present

- Spearheaded migration of 38 services to new CI/CD platform including discovery, documentation, coding, infrastructure changes, and teammate education
- Presented technical and business updates at a bi-weekly review meeting with stakeholders across Kroger
- Directed and managed team's security plan, including inter-team cross-collaboration and access provisioning

Texas Inventionworks – *Project Lead*; Austin, TX June 2021 – May 2022

- Coordinated meetings between graduate mentor, faculty advisors, and project team
- Designed and prototyped a standardized 3D-printed model across 4 types of printers for analysis, education, and workflow optimization
- Created and implemented an automated electromagnet winding device, increasing production speed by 300%

Outside, Texas – *Field Employee*; Austin, TX April 2021 – October 2021

- Independently ran the floor of the retail store, informing customers about the company's mission and products
- Managed local pop-up events that involve merchandise sales and brand outreach
- Analyzed customer needs and recommended strategic product development opportunities

LEADERSHIP EXPERIENCE AND ACTIVITIES

Theta Chi Delta Mu Chapter – *Recruitment Chair* Fall 2020 – Fall 2021

- Directed recruitment initiatives, including event planning, cultivation and management of new member relations
- Oversaw a six-member team, leading event ideation sessions and delegating logistical responsibilities

Marketplace: Venture Strategies – *VP Business Analytics* Summer 2020

- Guided strategic decision-making through multi-factor comprehensive analysis of historical sales data
- Leveraged agile methodology to conducting rigorous analyses, iterative testing, and deriving actionable conclusions

HONORS

- Alpha Lambda Delta & Phi Eta Sigma Honor Societies Spring 2019 – May 2022
- Eagle Scout (Boy Scouts of America) Spring 2015

ADDITIONAL INFORMATION

Computer Skills: SOLIDWORKS, Fusion 360, MATLAB, LabVIEW, 3D-printing, FDA regulations, JavaScript, Java, Python, Unit Tests, Helm Charts, React, CI/CD Platforms, C++, PHP, SQL, HTML, CSS, MS Excel, PowerPoint, Word

Certifications: Autodesk Inventor and Revit (2017)

Relevant Courses: Computational BME Design, Numerical Methods, Linear Systems and Signals, Network Analysis in BME, Quantitative Engineering Physiology, BME Probability and Statistics, BME Instrumentation, Engineering Biomaterials, Web Programming, Software Engineering, Databases, Graphics and Visualization

Interests: Process Optimization, Baseball Sabermetrics, Building Computers, Playing Trombone and Piano, Reading

Extracurriculars: Longhorn Pep Band, Theta Chi – Delta Mu Chapter, Raytheon UAS University Innovation Showcase

Work Eligibility: Eligible to work in the U.S. with no restrictions