Suhas Dara

daras@purdue.edu • (737) 444-0008 • https://suhasdara.me • https://linkedin.com/in/suhas-dara

EDUCATION

Purdue University, MS in ECE — 2025 - 2027

The University of Texas at Austin, BS in Computer Science, High Honors, 3.98/4.0 GPA — 2017 - 2021
- Coursework: Data Mining, Neural Networks, Natural Language Processing, Autonomous Robots, Data Structures, Algorithms and Complexity, Software Engineering, Operating Systems, Advanced Linear Algebra, Compilers
- Groups: Peter Stone Laboratory, Association for Computing Machinery

EXPERIENCE

Two Sigma, *Data Engineer* — 02/2022 - 05/2025
- Working in Java, Python, and SQL with various wide foundational datasets that the business requests for modeling and trading.
- Modernizing important legacy pipelines with a newer tech stack like BigQuery, DBT, and observability tools.

Two Sigma, *Software Engineering Intern* — 06/2021 - 08/2021
- Measured robustness and precision of financial simulations.
- Generated HTML reports of analysis results using Jinja that are still in use today, and gained more experience with Python, Pandas, NumPy, Matplotlib.

Microsoft, *Software Engineering Intern* — 05/2020 - 08/2020
- Refined the downloading pipeline for the Azure Stack Hub devices and improved the customer experience.
- Worked with job systems in C# and .NET Framework to implement intermediate downloading to local storage accounts. Also gained familiarity with Azure.

The University of Texas at Austin, *Teaching Assistant* — 08/2018 - 12/2018; 08/2019 - 12/2019
- Conducted weekly discussion sections and quizzes, and graded assignments for 25 students.
- Helped students understand data structure concepts using Java by conducting weekly office hours.

Adobe, *Software Engineering Intern* — 05/2019 - 08/2019
- Developed an approval workflow mechanism for AdCloud's Creative Management Platform's targeted advertising.
- Developed Springboot API endpoints in Java to assist the approval workflow mechanism. Also gained familiarity with FasterXML, and MySQL.

Qualys Security TechServices, *Software Engineering Intern* — 06/2018 - 08/2018
- Developed a MERN and WebSocket based application to load test cloud platform's Passive Scanner micro-service.
- Developed a MERN, WebSocket, and UDP based application to load test Network Access Control appliance.
- Gained familiarity with the MERN stack, concurrency, and network tools.

PROJECTS

Corner Detection Algorithm, *Researcher* — 08/2018 - 05/2019
Created an operational door sign corner detection algorithm using convolutional neural networks that will be used for robot localization. Technologies used include Python, C++, PyTorch, and Darknet.

Object Localization on Map, *Researcher* — 04/2018 - 05/2018
Utilized Darknet to find common objects and localize the objects onto a map of the UTCS building. Technologies used include C++ and Darknet.

MERITS

Award: True Grit at Two Sigma — May 2023
Certification: Advanced Linear Algebra Foundations to Frontiers — Nov 2020

SKILLS

Math	Calculus, Linear Algebra, Probability
Programming Languages	Python, Java, SQL, JavaScript, C++, C, MATLAB
Technologies	Pandas, NumPy, Matplotlib, PyTorch, GCP, HTML, CSS