Suhas Dara

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EDUCATION

University of Texas at Austin, BS in Computer Science, 3.98/4.0 GPA   2017 - 2021
- Coursework: Data Mining, Neural Networks, Natural Language Processing, Autonomous Robots, Data Structures, Algorithms and Complexity, Object Oriented Programming, Operating Systems, Advanced Linear Algebra, Human Computation/Crowdsourcing, Compilers
- Activities: Association for Computing Machinery, Peter Stone Laboratory

EXPERIENCE

Two Sigma, *Software Engineering Intern*   Jun 2021 - Aug 2021
- Measured robustness and precision of financial simulations.
- Generated HTML reports of analysis results.
- Gained familiarity with internal tools, Jinja, and more experience with Python, Pandas, NumPy, Matplotlib.

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

University of Texas, *Teaching Assistant*   Aug 2018 - Dec 2018; Aug 2019 - Dec 2019
- Helped students understand data structures concepts using Java by conducting multiple office hours a week.
- Conducted discussion sections and quizzes, and graded assignments for a batch of 25 students.

Adobe, *Software Engineering Intern*   May 2019 - Aug 2019
- Developed an approval workflow mechanism for AdCloud's Creative Management Platform's targeted advertising.
- Developed Springboot API endpoints in Java that will assist the approval workflow mechanism.
- Gained familiarity with Springboot, FasterXML, and MySQL.

Qualys Security TechServices, *Software Engineering Intern*   Jun 2018 - Aug 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

Geo City Learner, *Designer and Developer*   Aug 2021 - Present
- Developing a web application that can help learn the linguistics of different languages through guessing countries based on city names and then analyzing the city names. This is targeted towards the GeoGuessr game community.
- Technologies in use include Flask, ReactJS, Firestore, Google App Engine, Google Cloud Run.

Corner Detection Algorithm, *Researcher*   Sep 2018 - May 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*   Jan 2018 - May 2018
- Utilized Darknet to find common objects and localize the objects onto a map of the UTCS building.
- Technologies used include C++ and Darknet.

CERTIFICATIONS

Advanced Linear Algebra: Foundations to Frontiers   Nov 2020
Programming with Python for Data Science (Microsoft)   Mar 2018

SKILLS

Languages	Python, Java, C, C#, HTML, CSS, JavaScript, C++, MySQL
Technologies	ReactJS, GatsbyJS, PyTorch, GCP, AWS, Android, Node.js, MongoDB, .NET, Git, Shell, Linux