PARTH DHYANI

pdhyani@umich.edu | (630) 506-4272 | pdhyani.com

EDUCATION

UNIVERSITY OF MICHIGAN ANN ARBOR, MI
Bachelor of Science in Engineering in Computer Science, GPA: 3.53 / 4   *Dec 2021*
Coursework: Data Structures and Algorithms, Linear Algebra, Computer Architecture, Cybersecurity,
        Usability and Needs Assessment, Discrete Mathematics, Web Development
Awards: Engineering Scholarship of Honor (2018-22), C.M. Donovan Engineering Scholarship (2020)

ILLINOIS MATHEMATICS AND SCIENCE ACADEMY AURORA, IL
Diploma, Unweighted GPA: 3.96 / 4   *Jun 2018*

WORK EXPERIENCE

HUMANA LOUISVILLE, KY (Remote)
Software Engineering Intern   *May 2020 – Aug 2020*
- Developed a full-stack web app for employees to efficiently track, request, and receive Google BigQuery datasets with a Vue.js frontend, Flask REST API backend, and a NoSQL Firestore database
- Deployed project to Google Cloud App Engine through Azure DevOps CI/CD pipelines with unit testing
- Implemented a secure OAuth sign-in system, automated reports, and auto-generated Azure work items
- Collaborated with a team of other interns and managers in an Agile framework and virtual environment

THE MICHIGAN DAILY NEWSPAPER ANN ARBOR, MI
Managing Online Editor   *Aug 2020 – Present*
- Led the paper's software development team, including the data, mobile, UI/UX, and website subteams

Project Manager of Data and Interactives   *Dec 2019 – Aug 2020*
- Led and trained 8 data scientists and web developers to triple the paper's interactive online content
- Won the Lipsey Multimedia Reporting Award for creating an election website from scratch with over 10k views that included live poll line tracking and election results maps made with D3.js and a custom API
- Sat on the paper's editorial staff board to push for increased investment in digital initiatives

Data Scientist   *Sep 2018 – Dec 2019*
- Gathered data for news articles through FOIA requests, surveys, and querying online databases
- Investigated, cleaned, aggregated, and compiled data sets through R, Tableau, and advanced Excel
- Created interactive charts, visuals, and maps through R initially, but transitioned to D3.js for more functionality, versatility, and easier front-end integration with websites

MULTIDISCIPLINARY DESIGN PROGRAM ANN ARBOR, MI
Remote Sensing Team Software Developer   *Jan 2019 – Dec 2019*
- Developed a Python Tkinter GUI that interfaces with the team's C++ library for satellite data analysis
- Wrote C++ software to create tree objects and random forests and rendered them in 3D using OpenGL

ACTIVITIES

BLUELAB INDIA PROJECT ANN ARBOR, MI
President   *Apr 2019 – Present*
- Helped scale our $5 low-smoke cookstove to 1030 families in 10 rural Indian communities
- Led two travel teams to India in 2019 and 2020 for technical and social validation of the cookstove and to build stronger relationships with our community partners
- Managed and motivated 30 team members, led meetings, and communicated with stakeholders

THE MORTON ARBORETUM LISLE, IL
Center for Tree Science Forest Ecology Researcher   *Sep 2016 – May 2018*
- Researched the phenology (life cycle trends) of invasive and native plants in the field
- Analyzed data through experimental statistics and utilized large data sets in R
- Studied remote sensing data to compare the phenology of the greater forest to the undergrowth

SKILLS

Languages: C/C++, Python, R, MATLAB, HTML/CSS, JavaScript, basic Go, basic Java, proficient in German
Frameworks: D3.js, Vue.js, React.js Flask, GCP App Engine/Firestore, Azure DevOps, AWS S3/Lambda