

Raul Dutta

duttar@umich.edu | (248) 225-7238 | linkedin.com/in/rauldutta/ | https://dutta.herokuapp.com/

Seeking Summer and Winter(Jan-May) Software Engineering Internship

EDUCATION

University of Michigan - Ann Arbor

Graduation May 2022

BSE Computer Science Engineering

Ann Arbor, MI

GPA 3.9/4.0

Course Work: Operating Systems, Web Systems, Machine Learning, Functional Programming

EXPERIENCE

Roblox

May 2021 – Present

Software Engineer Intern

Ann Arbor, MI

- Developed a customer facing Breakpoint/Logpoint Window component using Lua/React in order to facilitate the debugging process for 3rd party game developers on Studio RIDE

J.P. Morgan Chase

Jul 2020 – Aug 2020

Software Engineer Intern

Chicago, IL (Remote)

- Automated custom email lead capture by creating a Flask Python server for Neighborhood Housing Services
- Developed and designed chat-bot using BotPress and TypeScript modules to assist Chicago homeowners to locate grants and resources to allow the reallocation of approximately 1,664 volunteer call-operator hours

Keyword: Data

Sep 2019 - Jul 2020

Project Manager

Ann Arbor, MI

- Led team to win the Intro to the Dataverse: Hackathon and a 15k contract from the Department of Defense
- Delivered a white paper on an AI assistant to collect predictive maintenance from mechanics leading to approximately 10% faster turnaround times
- Conducted 20+ end customer discovery interviews and integrated it within the ideation process

OSIRIS

May 2019 - Jan 2020

Computer Science Consultant

Ann Arbor, MI

- Designed a script to automate source control Grafana server information across several endpoints to display data in a way that can be monitored and read by database maintainers
- Created an open source Globus Startup Module in C that does an automatic LDAP look up on start up
- Tested LDAP look up module and pushed into production

PROJECTS

Off Hours

May 2020 - Present

Full-Stack Software Engineer and Product Manager

Troy, MI

- Developed an educational streaming site using a Flask Python backend along with Twitch API, React JavaScript frontend, and a SQL database
- Interviewed 50 end-customers to aid in whiteboarding feature development of over fifteen features
- Managed team using Agile practices and Jira board to rapidly iterate on product design and development under the mentorship of Professor Soloway

INTERESTS

Poetry

- Published in small magazines such as Skipping Stone and The Zine
- Won spoken word competition Louder than a Bomb

SKILLS

- Computer Languages: JavaScript, C/C++, Python, OCaml, MATLAB, HTML/CSS, SQL
- Frameworks: React JS, Flask
- Operating System: WSL, Ubuntu, Mac OS, Windows, Linux command line
- Secondary Languages: German(intermediate), Bengali(spoken)
- Tools: Git, Bashscript, Docker, Hadoop