Rohan Purandare

rpuranda@purdue.edu | +1 (617) 435-1077
rohanpurandare.github.io | linkedin.com/in/rohanpurandare | github.com/rohanpurandare

Education

Purdue University, West Lafayette

GPA: 3.82 • Graduating May 2024 *(Expected)*

- Bachelor of Science in Computer Science
  - Concentration in Software Engineering, Security, and Algorithmic Foundations
- Minor in Mathematics
- Certificate in Applications of Data Science

Experience

Software Development Intern • Amazon AWS AppStream

Seattle, WA • Summer 2022

- Successfully migrated the retrieval of streaming instance information and Data Plane log statement data from Elastic Search to their respective databases.
- Prevented unnecessary spending and data loss on AppStream's Photon Ops Console by developing a new data pipeline.

Product Software Engineer Intern • PTC

Boston, MA • Summer 2021

- Automated the API specification for the Creo product by managing RestAPI requests, parsing through files using go-swagger, and then converting to OpenAPI 3.0.0 using swagger2openapi.
- Created a program in Golang that analyzed a file to create a new file with the appropriate helper methods in creating the API Specification.

Lecturer/Course Lead • Purdue University

West Lafayette, IN • Spring 2022 - Present

- Lecturer for CS 193 Tools, teaching over 900 students the fundamentals of software development including git, terminal, and debugging.

Undergraduate Teaching Assistant • Purdue University

West Lafayette, IN • Fall 2021

- Assisted in grading assignments, providing instructional aid to students, and holding office hours in CS 193 Tools.

Computer Science and Mathematics Tutor

Virtual • Summer 2019 - Summer 2022

- Accommodate each student's needs by varying the speed of the lesson, inviting clarifying questions, and testing their level of engagement and understanding by supplying them with original questions.

Projects

Shell Interpreter

- Combines behavior from common shells including bash and csh using C and C++ to execute the commands inputted by the user and Lex, and Yacc to process the user input.

Memory Allocator

- Allows users to malloc() and free() memory as needed, requests large chunks of memory from the OS if needed, and manages all the bookkeeping and memory efficiently in C.

Purdue Circle

- Created a mobile application using Android OS and Firebase to allow Purdue students to share digital content, direct message, and interact with one another.

ChromeCart

- A Chrome extension made in JavaScript, HTML, and CSS that allows users to aggregate their shopping lists across various shopping sites.

Relevant Coursework

- Introduction to the Analysis of Algorithms
- Operating Systems
- Software Testing
- Systems Programming
- Software Engineering
- iOS Development
- Data Structures and Algorithms
- Computer Architecture
- Web Application Programming
- Programming in C
- Foundations of Computer Science
- Object-Oriented Programming

Languages

- Java
- C
- C++
- Python
- Golang
- JavaScript
- HTML
- CSS
- Bash
- LaTeX
- Swift
- R
- x86 Assembly

Organizations

- *Vice President* - Undergraduate Student Board for Computer Science and Data Science
- *Advertising and Comm. Lead* - Purdue LaunchPad
- *UX Team* - BoilerMake

Activities

- Microsoft Tech Resilience Mentorship Program
- BoilerMake IX Hackathon
- BoilerMake VIII Hackathon
- Hello World Hackathon

Interests and Hobbies

- Machine Learning
- Artificial Intelligence
- Computer-assisted education
- Soccer
- Playing guitar and piano
- Singing and beatboxing
- Rubik's puzzles