

Pooja Sounder Rajan

poojasounder@yahoo.com | (971)-346-1489

OBJECTIVE

A enthusiastic computer science graduate seeking to embark on a dynamic career journey within the Siemens Atlas Graduate Program as a Software Engineer. Eager to bring my knowledge on algorithms, data structures and object-oriented programming particularly in C++ and Python to Siemens.

EDUCATION

Bachelor of Science in Computer Science,
Portland State University, Portland, OR

Expected Graduation: June 2024
GPA : 3.92

Relevant Courses: Algorithms & Time Complexity, Computer Systems, Data Structures
Operating Systems, Programming Languages, Databases, Natural Language Processing
Artificial Intelligence, Rust Programming, Digital Logic Design

Associate of Science Transfer

Portland Community College, Portland, OR

Sep 2020-Jun 2022

- Placed in **President's list** for excellent academic achievements

SKILLS

Technical: Python, C, C++, HTML, Java, CSS, JavaScript, Typescript, PostgreSQL, SQL
Data Structures, Object Oriented Programming, Linux, React, AWS Cloud Systems, System Verilog

Version Control: Git, GDB

Soft skills: Strong written, verbal, interpersonal communication and analytical skills, independent worker, adaptable to situations, excellent problem-solving skills, familiarity with IT infrastructure and network topology

COMPUTER SCIENCE PROJECTS

CHOCAN SIMULATOR OPEN SOURCE PROJECT

- Developed a Python-based software application for managing a fictional company's data
- Collaborated in a team of 5 using Github and followed Agile Methodology
- Utilized pytest for unit testing, system testing and integration testing of the software
- Created several key documents including requirements, design and test plan
- Implemented and tested code changes including key features such as ability to add and remove items from a virtual inventory, process transactions and generate reports
- Reduced the software's bug count by 30% through effective testing and debugging, resulting in a more reliable and robust application
- Achieved a 20% improvement in code coverage through comprehensive testing using pytest

PERSONAL PORTFOLIO WEBSITE

- Developed a full-stack personal portfolio website using HTML, CSS and JavaScript
- Designed and implemented custom integrations with third party APIs
- Conducted extensive testing and debugging regularly to improve the website

E-COMMERCE WEBSITE DEVELOPMENT

- Developed a full-stack e-commerce website using technologies such as HTML, CSS, JavaScript and Node.js
- Implemented features like user authentication, product catalog, shopping cart, and payment processing

CHINESE CHECKERS GAME

- Developed a fully functional game of Chinese Checkers in Java within the Eclipse IDE
- Demonstrated proficiency in Java programming, object orient programming, graphical user interface design
- Implemented multiplayer functionality to allow four players to compete against each other
- Overcame challenges related to game rule enforcement

EXPERIENCE

MASEEH COLLEGE OF ENGINEERING AND COMPUTER SCIENCE STUDENT AMBASSADOR

Jun 2023 – Present

- Participated in retention, and orientation events, including Maseeh College tours and college-wide programming
- Led hands-on demonstrations and hosted visiting school groups.
- Developed and enhanced professional skills, including time management, collaboration and public speaking.

NASA L-SPACE ACADEMY

Mar 2023 – May 2023

- Collaborated on design of Mars lander for use in future deep-space exploration efforts
- Procured materials for lander under stringent budgetary constraints
- Developed and presented preliminary design review(PDR) to program administrators
- Reduced materials cost by 4%, mission concept approved for implementation

CERTIFICATIONS

- **UDEMY** – 100 Days of Python Code Challenge
- **Great Learning** – HTML && CSS
- **Hackerrank** – SQL
- **Hackathon through Siemens** – received ***first place*** for cracking the coding questions during Siemen's Hackathon