Gaurav Parab

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OBJECTIVE

To pursue a challenging internship related to my education and skills in Computer Science and Software Engineering.

EDUCATION

Pennsylvania State University — University Park, PA
B.S. Computer Science — *June 2022 - May 2025, GPA: 3.66*

TECHNICAL EXPERIENCE

Pennsylvania State University — University Park, PA
Learning Assistant — *August 2022 - December 2023*
- Interacted with and taught students in CMPSC 131 (Programming Fundamentals) recitation classes alongside TA's.
- Held review sessions to help students understand the new material presented in lectures.
- Conducted code reviews and helped grade homework, projects, and tests.

Special Order Systems — Sacramento, CA
Project Intern — *July - December 2021*
- Assisted in the development of security system solutions for California state beaches using Python API interactions.
- Wrote code to connect to a weather API and relay data to beach systems and personnel.

RELEVANT COURSEWORK

OOP with Web-Based Applications (CMPSC 221)   Systems Programming (CMPSC 311)
Data Structures and Algorithms (CMPSC 465)   HTML and CSS in depth (Coursera)
Digital Design (CMPEN 270)   Computer Organization and Design (CMPEN 331)

PROJECTS

Parser (Python) — March 2024

Designed a parser that parsed abstract syntax trees from certain expressions given a certain grammar.

Course Scheduler (Java) — April 2023

A course scheduler with functionality to add/drop courses, manage students, and display student schedule using a GUI for front-end and a back-end SQL database.

Monopoly Board Game (Java) — May 2022

Developed around 40% of the code of a fully functional GUI-based game of Monopoly using various data structures and packages, as part of a team.

Discord Bot (JavaScript) — May 2020 - May 2021

Built a discord bot in Node.js which interacted with the Discord API and allowed users to perform and automate certain server tasks.

EXTRACURRICULAR ACTIVITIES/CLUBS

Penn State Outing Club (PSOC), Club Tennis, Nittany AI Student Society

RELEVANT SKILLS

Languages: Python, Java, JavaScript, C, HTML, and CSS; with beginner knowledge in C++ and R
Applications/Developer Tools: Visual Studio Code, Git
Non-Technical: Tennis, Photography, English, Hindi, Spanish