

Chintan Patel

SOFTWARE ENGINEER INTERN

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Education

Kansas State University

Manhattan, Kansas

B.S. IN COMPUTER SCIENCE - MINOR IN MATHEMATICS

Dec. 2021

- GPA - 3.34
- Honors - Dean's List
- Coursework: Data & Programming Structures; Object-Oriented Design, Implementation, and Testing; Software Architecture/Design; Computer Architecture/Operation; Matrix Theory; Discrete Mathematics

Work Experience

Kansas State University Computer Science Department

Manhattan, Kansas

TEACHING ASSISTANT (CIS 200 - PROGRAMMING FUNDAMENTALS)

Aug. 2020 - Present

- Lead weekly lab sessions for 20+ students to review concepts such as: state, control structures, methods, patterns of conditional, iterative control structure, program testing, arrays, classes, and objects.
- Hold three weekly office hours to assist students with comprehending and applying concepts from class, working on lab assignment/projects, or preparing for exams.

The Cedars

McPherson, Kansas

DIETARY AIDE

Jan. 2018 - Aug. 2018

- Communicated and interacted with residents and maintained a good relationship with their families, visitors, and nurses.
- Compiled and maintained records of food use and expenditures.
- Upheld safety and health standards for all food and cooperated with the administrative kitchen to abide by each, individual resident's diet requirements.

Projects & Competitions

League of Legends Analytics

<https://git.io/JvkNI>

DATA SCIENCE AND WEB SCRAPING (PYTHON)

- Created a web scraper using Python's BeautifulSoup library to scrape data and Panda to store and organize data frames.
- Manipulated Pandas, NumPy and Matplotlib to model data using SKlearn and linear regression to classify a correlation using professional player statistics, and visualized findings in Jupyter Notebook

K-State Hackathon | Qfi

<https://git.io/JvkNW>

WINDOWS FORM APPLICATION (C#, FIREBASE DATABASE)

- Developed an authenticating user application for students to state queries to teaching assistants and professors.
- Integrated Google's Firebase database API to store and manipulate required information for 100 users to establish a connection via IP sockets.
- Practiced the Agile model of software development and spearheaded all design and testing.

Vex Robotics

ROBOTC SCRIPT

- Programmed a robot to facilitate driver control using RobotC.
- Programmed an automated robot to accomplish various arbitrary tasks without human intervention.

Skills

Languages Python · Java · C# · HTML/CSS

Extracurricular

Artificial Intelligence Club (ACM-SIGAI)

CLUB MEMBER

- Developed a python script to parse a CSV file that compiled accurate and necessary data points.
- Calculated the optimal date to scale Mount Rainier based on the weather forecast, success rates, etc.
- Devised information to be presented amongst peers and colleagues.