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Neil Hemnani

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Education

University of Connecticut, Storrs, CT   Graduating May 2022

Bachelor of Science in Computer Science, *Minor* in Political Science
GPA: 3.3/4.0
Honors and Awards: Recipient of Academic Excellence Scholarship; Honors Scholar
Relevant Coursework: Algorithms & Complexity, C++ Essentials, Intro to Artificial Intelligence, Systems Programming, Data Structures & Objected Oriented Design, Computer Architecture, Big Data Analytics

Experience

UConn Association for Computing Machinery, University of Connecticut, Storrs, CT
Club Member   01/2020 – present
- Working on a team to develop a customizable PC game controller for mobile (since September)
- Using Javascript and React Native on the client side to develop a display for the app
- Handling HTTP requests from client side to server side to register button events from controller

UConn Library Maker Studio, University of Connecticut, Storrs, CT
Student IT Help Center Assistant   09/2019 – 03/2020
- Assisted students/faculty with using 3D printers, laser engravers, and other equipment
- Used ticket software to track project requests and communicate with student customers

FIRST Tech Robotics Team, Kingswood Oxford School, West Hartford, CT
Captain, Programmer, and Driver   09/2014 – 03/2018
- Guided team as captain during the 17-18 season, delegating tasks and facilitating design
- Worked on a team to program a robot with with Java in Android Studio
- Used Vuforia VuMarks to recognize in-game images using a camera on the robot

Projects

86thousand.com   08/2020 – present
- Creating a website where users can anonymously post messages that disappear after 24 hours
- Using Python and Django on the backend, along with PostgresSQL for the data
- Developing frontend in HTML/CSS and a little Javascript

C++ Text Editor   03/2020 – 05/2020
- Created a console-based text editor in C++ with OOP
- Used design patterns such as command, MVC, strategy, observer, and chain of responsiblity
- Coded functionality for undo/redo commands, reading/writing to text files, and word-wrapping
- Created a UML diagram to organize project and used GitHub to maintain versions

Blog Website   05/2019 – 09/2019
- Made a blog website in Python using Flask, along with HTML/CSS
- Implemented a database containing user profiles and posts with PostgresSQL (SQLAlchemy)
- Authenticated HTML forms for login and registration using LoginManager

Cubed   07/2016
- Developed an iOS app with Swift and Xcode to help with training to speedsolve a Rubik's Cube
- Implemented a timer, scramble generator, and basic statistics calculator

Skills

Languages: Python, C/C++, HTML/CSS, Javascript, Prolog, Scheme, Swift, Java
Technologies: GitHub, Django, Flask, Command line, Matplotlib/Pygal, Arduino, Xcode