

Neil Hemnani

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Education

University of Connecticut, Storrs, CT

Graduating May 2022

B.S in Computer Science, Minor in Political Science

GPA: 3.3/4.0

Honors and Awards: Recipient of Academic Excellence Scholarship; Honors Scholar

Related Coursework: Algorithms & Complexity, C++ Essentials, Intro to Artificial Intelligence, Intro to Machine Learning, Systems Programming, Data Structures & Object Oriented Design

Experience

IBM

May 2021 – August 2021

Software Engineering Intern

Armonk, NY

- Developed a real-time dashboard for IBM Training using **Node.js** and **React** to provide team members with information about batch processes supporting the website
- Created REST backend using **Express.js**, **Node.js**, and **IBM DB2**
- Wrote automated tests for backend in **Javascript** using **Mocha** and **Chai**
- Implemented CI/CD pipeline with **GitHub** and **Travis CI** to deploy app to **IBM Public Cloud**
- Integrated application with IBMid single sign-on
- Collaborated remotely on an agile team, participating in daily standups and monthly retros

UConn Library Maker Studio

September 2019 - March 2020

Student IT Help Center Assistant

Storrs, CT

- Supervised and ran 3D printing jobs on six printers for students using the space
- Assisted students with use of 3D printers, laser engravers, vinyl cutters, and other equipment
- Used ticket software to track project requests and communicate with students

Projects

C++ Text Editor

- Created a console-based text editor in **C++** with OOP
- Used design patterns such as command, MVC, strategy, observer, and chain of responsibility
- Coded functionality for undo/redo commands, reading/writing to text files, and word-wrapping
- Created a UML diagram to document project and used **GitHub** for version control

Blog Website

- Made a blog website in Python using **Flask**, along with **HTML/CSS**
- Implemented a database containing user profiles and posts with **PostgreSQL**

Extracurricular Activities

UConn Association for Computing Machinery

January 2020 - present

Outreach Officer and Member

Storrs, CT

- Assisting in the planning/running of meetings to engage students interested in computer science
- Worked on a team of three to develop a customizable PC game controller for mobile
- Used **Javascript** and **React Native** on the client side to develop a controller interface for the app

Skills

Languages: Javascript, Python, HTML/CSS, SQL, C/C++, Scheme

Technologies: React, Node.js, Express.js, Flask, Matplotlib

Tools: Visual Studio Code, GitHub, Travis CI, Expo