Shivam Vohra

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EDUCATION

Vanderbilt University | Nashville, TN   August 2020 – May 2024
*Bachelor of Science in **Computer Science and Applied Mathematics***   *GPA 4.00/4.00*
- **Coursework (In Class):** Programming and Problem Solving (Java), Python Programming, Multivariable Calculus, Microeconomic Principles
- **Coursework (Online Self-Taught):** HTML, CSS, and JavaScript Frontend, API Usage, Web Scraping

EXPERIENCE

Juni Learning | *Computer Science Instructor*   December 2020 – Present
Part-Time
- Improved students understanding of computer science fundamentals in languages such as Java and Python.

Mathnasium Learning Center | *Mathematics Instructor*   August 2019 – Present
Part-Time
- Tutored over 50 students on topics ranging from numerical fluency to single variable calculus.
- Improved student test scores and grade averages by more than 10%.
- Formed over 25 learning plans for students based on statistical analysis of performance in certain areas.

Raymond Engineering | *Junior Technical Design Writer*   July 2019 – May 2020
Internship
- Created HVAC drawings in AutoCAD to be implemented in over 5 high schools and 3 middle schools across Georgia.
- Improved efficiency of billing calculations by forming spreadsheets in Microsoft Excel.
- Implemented mechanical specifications that used in multiple roofing projects.

PROJECTS

FinEducation | *Android Studio, Java*   October 2020 – Present
- Created a financial literacy application that included flashcards, a quiz, and practice mode to understand various financial terms.

Guess the Tweet! | *Python, Tweepy API*   September 2020
- Created a game where the user inputs two twitter handles to be prompted with tweets to guess using the twitter API.

UniPill | *Python, Arduino*   November 2019 – March 2020
- Created a pill dispenser with prescription pills and placebo pills while including a time sensitive algorithm that would deploy more placebo pills over time to prevent addiction with an 80% success rate.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, HTML, CSS
Technologies: React, SASS, Tweepy API, LaTeX, AutoCAD, Microsoft Office, NumPy, Matplotlib
Developer Tools: Git, Android Studio, VS Code, Visual Studio, PyCharm, IntelliJ, AGILE
Foreign Languages: Hindi, Spanish (Limited Working Proficiency)

EXTRACURRICULAR ACTIVITIES

Vanderbilt Student Government | *Environmental Affairs Committee*   October 2020 – Present
Recycling Subcommittee
- Created and deployed surveys to gather data on student understanding of recycling throughout campus.
- Partnered with school entities to institute proper use of reusable silverware, bags, and bottles on campus.
- Formed partnership with TerraCycle to improve recycling efforts on campus.

VandyHacks | *Member*   October 2020 – Present
Mentee
- Participated in Hackathons and attended lectures on various computer science topics while also self-teaching.
- Learned frontend development with HTML and CSS along with basics of data structures through online teachings.