

Nikhil D Agarwal

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SUMMARY

- B.S. in Computer Engineering with a minor in Computer Science (expected May 2024)
- Developed a Financial Statement Consolidation Automation software as an intern at TechTrueUp. Code available at Github (Repository: pnlAccounting). Code is in Java
- 4 x Dean's List Student
- College/AP level tutor in Math and Physics
- Volunteer Math coach at the Urban League of Morris County

EDUCATION

Rutgers University, New Brunswick, NJ

B.S. in Computer Engineering expected May 2024, GPA: 3.75

Secondary Academic Discipline - Computer Science

RELATED COURSEWORK

CS: Data Structures

Discrete Structures I & II

Multivariable Calculus

Linear Algebra

Computer Architecture

Linear Systems & Signals

Differential Equations

Digital Logic Design

Introduction to Matlab

Probability & Random Processes

Introduction to Linux (Linux Foundation)

Intro to CS and Python (MITx)

Introduction to C (Duke)

COURSEWORK SET FOR COMPLETION BY JUNE 2023

Software Methodology

Digital Signal Processing

Computer Systems / OS

Software Engineering

SKILLS

Programming Languages: Java, C/C++, Matlab, Python, Linux, RISC-V (Assembly)

Computer: Proficient in Microsoft Systems (Excel Programming), Google Drive, Zoom, WebEx

WORK EXPERIENCE

TechTrueUp, Morris Plains, NJ

Software Engineering Intern

December 2021 - January 2022

- Wrote a Java program that verifies and consolidates Profit and Loss (P&L) statements for multiple group companies into a single financial report.
- Exported P&L statements from *Intuit Quickbooks* as a .csv file, and ran it through the program that gives a detailed report of a company's Total Income, Cost of Goods Sold (COGS), Expenses, Net Other Income/ Net Ordinary Income. Program is interactive and uses user inputs to determine the detail level of the report.
- Program checks for errors in the financial report, and will print the exact location of the error in the report and what the correct entry should be. Code is on Github.

Wyzant / Self Employed, Bridgewater, NJ

College/AP Level Math and Physics Tutor

September 2020 - Present

- Create structured lessons that cater to each student's needs, whether it be extra practice or an in-depth explanation of a topic.
- Subjects tutored: Elementary math, Pre-algebra, Algebra, Geometry, Pre-calculus, AP Calculus, Multivariable Calculus, SAT math, ACT math, Physics 1.

Uncle Julios, Bridgewater, NJ

Server

June 2022 - August 2022

- Greet guests in a prompt and professional manner.
- Introduce guests to the restaurant and the menu, upselling when appropriate as a sales pitch.
- Multi-tasking to optimize time in a stressful customer service environment.
- Work in an intense team environment for a smooth lunch/dinner service.

VOLUNTEER WORK

Urban League of Morris County, Morristown, NJ

Mentor and Volunteer Math Teacher

May 2018 - August 2020

- mentor and volunteer math teacher at the Urban League (UL) Power Systems Institute (PSI) Program for First Energy (FE).

First Energy is a utility and hires its field electricians - line and substation through this program. The candidates go through a range of tests – physical strength, endurance, ability to climb, knowledge of tools, and an interview. Shortlisted candidates then need to be able to clear entry-level English and Math requirements at the *Raritan Valley Community College* (RVCC), NJ. I mentor the candidates on their Math skills.