VARUN KUMAR

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EDUCATION

University of California, Los Angeles (UCLA)

Los Angeles, CA

B.S., Computer Science

Expected June 2025

Relevant coursework: Linear Algebra.

University at Buffalo

Buffalo, NY

College Credit May 2021

• Relevant coursework: Multivariable Calculus, Set Theory and Logic, Differential Equations.

PROJECTS

Human Resources Database

Buffalo, NY

Programmer

June - August 2020

- Designed Java program that reads user input to construct a database containing information on a company's employees, salaries, levels of hierarchy, etc.
- Implemented a password protection system allowing only authorized users to view/edit the database; established a commission calculator based on selected rate and an employee's sales.
- Data saved in PDF format; can be edited at any time by authorized users.

University at Buffalo Center for Computational Research

Buffalo, NY

July 2019

Computer Science Intern

- Learned and used statistical programming language R to form, sort, and organize data.
- Applied skills in a research project to determine most effective alloy for a car body in order to optimize mileage, weight, safety and price.
- Gained experience in R's syntax, basic functions, types of data, and classes.
- Presented conclusions at a seminar at the University at Buffalo.

EXPERIENCE

You First Services. Inc.

Buffalo, NY

Engineering and Digital Marketing Intern (Paid)

July 2020 - November 2020

- Constructed WordPress websites and location-specific Facebook advertisements that displayed stores carrying our products in a 50-mile radius from the user.
- Learned and utilized HTML to install WordPress plugins.
- Collaborated with five engineers to build infection control products that employ hydrogen peroxide gas plasma technology.
- Utilized Microsoft Suite to produce necessary documents used in development process, including a Manufacturing Record and Gantt charts.

Gifted Math Program at the University at Buffalo

Buffalo, NY

Ambassador and Student

September 2015 - May 2021

- Enrolled in college-level mathematics courses for high schoolers; earned 22 credits in 6 years.
- Developed strong communication and time-management skills, and improved ability to address difficult problems.
- Provided tutoring to first-year students on college-level mathematics subjects once per week.
- Collaborated with students to plan the UB Math 45th Anniversary and Pi Day celebrations.

Kumon Learning Center

Williamsville, NY

Math and English Tutor

April 2019 - October 2019

- Tutored children ranging from kindergarten to high school to improve their math and reading skills.
- Graded children's classwork and homework and provided them with feedback and advice.
- Gained useful experience in a work environment and enhanced communication skills.

TECHNICAL SKILLS

Programming Languages: Java, C++, R

Other: Microsoft Suite, WordPress, AWS Cloud Services