

Education	University of Richmond, Virginia: B.S Computer Science, Minor: Business GPA: 3.27 Major GPA: 3.50 Honors: Presidential Scholar, Davis UWC Scholar , Phi Eta Sigma Honor Society Relevant Coursework: Algorithms, Artificial Intelligence, Competitive Programming, Computer Organization, Data Structures, Database Systems (Enrolled), NLP (Enrolled), Machine Learning (Enrolled), Linear Algebra, Web Programming (Harvard CS50)	May 2021
Objective	I am seeking a full-time new graduate opportunity at Verizon Media. I enjoy work related to algorithms, back-end web application development, and artificial intelligence.	
Skills	Java, Python, C++, ML / NLP, REST APIs, Django, React, JavaScript / AJAX, Map Reduce, SQL, AGILE, Git, Linear Programming, Linux, Firebase, HTML / CSS, OOP	
Experience	Research Fellow, University of Richmond; Richmond, VA <ul style="list-style-type: none">• Formulated maximum flow graph algorithms with probabilistic assumptions resulting in liver allocations that were 6% more optimal than preexisting greedy models• Proposed and implemented the idea of using a modified round-robin weighted fair queuing technique that increased the fairness of livers allocated as observed in 4 of the 5 graph visualization tests based on MELD scores• Incorporated features like blood-type and rejection probabilities to make the model realistic; this helped us gauge the superiority of max-flow algorithms in terms of optimality Software Engineer Intern, Performix Services; Minneapolis, MN <ul style="list-style-type: none">• Updated, documented, refactored, and debugged a React Native application to be compatible with modern systems by fixing dysfunctional and deprecated features• Incorporated an interactive notification function for upcoming events; the application can be found on Play store and iTunes store : “NCMSDC App”• Increased the efficiency of various aspects of the code this including the use of minimum heaps to remove events which improved the efficiency of this task by 690% Resident Assistant, University of Richmond; Richmond, VA <ul style="list-style-type: none">• Fostered a community culture of inclusivity and personal growth for 56 students through programs based on sexual health, alcohol awareness, race equity, get-togethers• Enforced policy and tackled sensitive situations of assault, conflict, drug abuse	May - July, 2020 May - July, 2019 Aug, 2018 - May, 2019
Projects	Sentiment Analysis of Movie Reviews (Python, Scikit Learn) GitHub link <ul style="list-style-type: none">• Conducted binary classification of movie reviews in the IMDB Dataset using linear and quadratic kernel SVMs with NLP techniques like Bag of Words and TF-IDF which yielded accuracies of 85.4% and 78.3 % respectively Instagram Clone (Python, React) [Coursework] <ul style="list-style-type: none">• Created a web application similar to Instagram that implements client-side dynamic pages with a React front-end and a Django back-end: the user can make an account, follow people, and upload , like, comment on pictures Endgame Chess AI(Python) GitHub link <ul style="list-style-type: none">• Developed a state based chess engine that finds the optimal moves using alpha-beta pruning (H-minimax) that relies on a heuristic based evaluation function; the engine found optimal moves 100% of the times in end-game scenarios	
Contests	International Collegiate Programming Competition (Mid Atlantic Region 2019) link <ul style="list-style-type: none">• Won an honorable mention at the test site for achieving 4th place (Team Beta Chai) Smart Minds Hackathon (2018) <ul style="list-style-type: none">• Wrote a program to facilitate carpooling in an organization (won the 3rd position)	
Additional	Ask Me About: Chess, Community Service, Elocution, NSBE, United World College, Yoga	