

<b>Education</b>	<b>University of Richmond, Virginia:</b> B.S Computer Science, Minor: Business <b>May 2021</b> <b>GPA: 3.27 Major GPA: 3.50</b> <b>Honors:</b> Presidential Scholar, Davis UWC Scholar , Phi Eta Sigma Honor Society <b>Relevant Coursework:</b> Algorithms, Artificial Intelligence, Competitive Programming, Computer Organization, Data Structures, Database Systems (Enrolled), NLP (Enrolled), Machine Learning (Enrolled), Linear Algebra, Web Programming (Harvard CS50)
<b>Objective</b>	<b>I am seeking a full-time new graduate opportunity at Google. I enjoy work related to algorithms, back-end web application development, and artificial intelligence.</b>
<b>Skills</b>	Java, Python, C++, ML / NLP, REST APIs, Django, React, JavaScript / AJAX, Map Reduce, SQL, AGILE, Git, Linear Programming, Linux, Firebase, HTML / CSS
<b>Experience</b>	<b>Research Fellow, University of Richmond; Richmond, VA May - July, 2020</b> <ul style="list-style-type: none"><li>• Formulated maximum flow graph algorithms with probabilistic assumptions resulting in liver allocations that were 6% more optimal than preexisting greedy models</li><li>• 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</li><li>• 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</li></ul> <b>Software Engineer Intern, Performix Services; Minneapolis, MN May - July, 2019</b> <ul style="list-style-type: none"><li>• Updated, documented, refactored, and debugged a React Native application to be compatible with modern systems by fixing dysfunctional and deprecated features</li><li>• Incorporated an interactive notification function for upcoming events; the application can be found on Play store and iTunes store : “NCMSDC App”</li><li>• 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%</li></ul> <b>Resident Assistant, University of Richmond; Richmond, VA Aug, 2018 - May, 2019</b> <ul style="list-style-type: none"><li>• Fostered a community culture of inclusivity and personal growth for 56 students through programs based on sexual health, alcohol awareness, race equity, get-togethers</li><li>• Enforced policy and tackled sensitive situations of assault, conflict, drug abuse</li></ul>
<b>Projects</b>	<b>Sentiment Analysis of Movie Reviews (Python, Scikit Learn) <a href="#">GitHub link</a></b> <ul style="list-style-type: none"><li>• 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</li></ul> <b>Instagram Clone (Python, React) [Coursework]</b> <ul style="list-style-type: none"><li>• 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</li></ul> <b>Endgame Chess AI(Python) <a href="#">GitHub link</a></b> <ul style="list-style-type: none"><li>• 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</li></ul>
<b>Contests</b>	<b>International Collegiate Programming Competition (Mid Atlantic Region 2019) <a href="#">link</a></b> <ul style="list-style-type: none"><li>• Won an honorable mention at the test site for achieving 4th place (Team Beta Chai)</li></ul> <b>Smart Minds Hackathon (2018)</b> <ul style="list-style-type: none"><li>• Wrote a program to facilitate carpooling in an organization (won the 3rd position)</li></ul>
<b>Additional</b>	<b>Ask Me About:</b> Chess, Community Service, Elocution, United World College, Yoga