SUMMARY OF QUALIFICATIONS	
 Motivated student passionate about robotics, autonomous systems, and software development. Programming: Proficient in Java OOP, Python (NumPy, Pandas, Matplotlib, Scikit Learn, Pygame), C language, Android programming, and Linux Systems. Beginner knowledge of SQL, x86 assembly, HTML, CSS, and JavaScript. Proven experience in coding languages, dynamic problem solving, logical thinking, and error analysis. Strong engineering background with demonstrated experience in SolidWorks, Autodesk, Balsamiq, and Fritzing. Effective teamwork & project management as demonstrated through coursework & extracurriculars. Languages: English (Professional), Hindi (Proficient), French (Intermediate), and Punjabi (Beginner). 	
EDUCATION University of Washington, Seattle, WA Bachelor of Science, Electrical and Computer Engineering, GPA: 3.74 (Dean's List)	Expected June 2023
	eptember 2015 – June 2019
High School Diploma 4.0 Unweighted GPA, National AP Scholar, National Honor Society, National Science Honor Society, National Technical Honor Society, FRC Robotics Varsity Letter Recipient, MUN De	• •
RELEVANT EXPERIENCE Arm Subsystem Engineer, Husky Robotics Team, University of Washington, Seattle, WA □ Participating in the annual Mars Rover challenge. Redesigned various hand mechanism laser mounts to aid with computer vision. Helped design and integrate many other computer computer vision. Learned how to work on large scale interdisciplinary projects with multiple sub teams	omponents for the 6-axis arm.
 Machine Learning Certification, Stanford Online, Coursera □ Learned about supervised learning and unsupervised learning algorithms using MATL □ Practiced error analysis on different learning systems. 	July – September 2019 AB.
 Intern, Software Tester and Communications, Blaze Education, Redmond, WA Tested out company's virtual reality software Emoto, which allowed users to control record movies and animation projects within a virtual world. Provided user feedback on where to improve and put resources towards. Helped pitch summer camps and demonstrated the company's proprietary software and maintained good customer relations. 	as well as ideas
PROJECTS / RESEARCH:	
 A* Algorithm Shortest Path Visualizer, Bellevue, WA □ Created a 2-D shortest path visualizer using the pygame python library. Implemented queue variation of the A* search algorithm and the Manhattan distance formula as a □ This project allows the user to place the start and end nodes in a grid display, and the the algorithm in action as well as the optimized shortest path. 	heuristic based on the grid forma
Predictive Analysis of Movie Success from Datasets, University of Washington, Seattle, W. ☐ Utilized dataset scraped from IMDb movie database and used Python libraries such as Matplotlib to effectively visualize the data and predict the effects of features such as company, country of origin, genre, revenue, release date, run time, etc. on the succest ☐ This project provided insight on how aspects of a movie's production impact the grost genres over the years based on viewer ratings.	s Pandas, Scikit Learn, and movie budget, production ss of a movie.
E-Stash, DubHacks, University of Washington, Seattle, WA Created a receipt stashing app as part of a four-person team competing in the biggest Pacific Northwest. This application allows easy storage and provides convenience so	

☐ Utilized Python and the Spyder IDE paired with Google Vision API for this project. Users input images of their receipts

and the program will stash it into an inventory based off of data gathered from text detection.

through their emails or wallets to find certain receipts.