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contact	 as2626@cornell.edu  (404) 353-0477	 linkedin.com/in/as2626  github.com/as2626
education	<b>Cornell University</b> , Ithaca, NY B.S. in Computer Science, GPA: 4.16/4.00	May 2022 (expected)
coursework	Analysis of Algorithms, Systems Programming, Object-Oriented Programming & Data Structures, Discrete Structures, Linear Algebra, Probability Models & Inference, Multivariable Calculus	
languages & technologies	Python, Java, HTML, CSS, JavaScript, C, SQL, Bash, $\text{\LaTeX}$ , Git, OpenCV, Tensorflow, Keras, NumPy, SciPy, Docker, Flask	
experience	<b>Morgan Stanley</b> , New York, NY <i>Incoming Technology Summer Analyst</i>	June 2019 – Aug 2019
	<b>Cornell University Unmanned Air Systems</b> , Ithaca, NY <i>Software Engineer, Computer Vision</i>	October 2018 – present
	<ul style="list-style-type: none"><li>Developed software for real-time automatic detection, localization, and classification of multi-class target images captured from high-altitude autonomous aircraft</li><li>Designed convolutional neural network with 93.8% classification accuracy on Fashion-MNIST</li><li>Wrote scripts to automate workflow, automatically cropping and organizing tagged images</li></ul>	
	<b>Damco Solutions Inc.</b> , New Delhi, India <i>Software Engineer Intern</i>	June 2017 – June 2017
	<ul style="list-style-type: none"><li>Deployed Android application PhotoShelf (photoshelf.in) in development team of four</li><li>Sped up workflow by 1 week by designing wireframes that allowed concurrent implementation of back-end logic and front-end design</li><li>Consulted higher management and collaborated with the CEO &amp; Managing Director to streamline the app's UX design and flow</li></ul>	
	<b>Data Science for India</b> <i>Instructor &amp; Curriculum Developer</i>	July 2017 – Oct 2017
	<ul style="list-style-type: none"><li>Developed introductory data science curriculum of 11 Jupyter notebooks that used numpy, pandas, and matplotlib to discern, visualize, and manipulate useful data from large data sets</li></ul>	
projects	<b>Space Invaders</b> 	<i>built using Python, Kivy</i>
	<ul style="list-style-type: none"><li>Implemented retro arcade game Space Invaders with MVC and State design patterns</li></ul>	
	<b>Virtual Stock Market</b> 	<i>built using Flask, Python, SQLite, JavaScript, HTML, CSS</i>
	<ul style="list-style-type: none"><li>Deployed RESTful web app that retrieves live stock prices, storing transactions in a database</li><li>Allows users to: sign-up, login, change password, quote live stock prices, buy and sell stocks at live prices, view index of owned stocks with total live value, &amp; view trade history</li></ul>	
	<b>Spellchecker</b> 	<i>built using C</i>
	<ul style="list-style-type: none"><li>Implemented spellchecker that determines misspellings against a changeable dictionary</li><li>Stores words of English dictionary in a self-implemented hash table, using low-level memory management with pointer references, malloc(), and free()</li></ul>	
	<b>Reddit Playlist</b>	<i>built using Java, XML, Android Studio</i>
	<ul style="list-style-type: none"><li>Deployed Android app that converts subreddits into YouTube playlists</li><li>Retrieves and plays video posts with a subreddit's RSS feed and YouTube's API</li></ul>	
	<b>Tweet Sentiment Analyzer</b> 	<i>built using Flask, Python, HTML, CSS</i>
	<ul style="list-style-type: none"><li>Scores user's tweets as positive, neutral, or negative using Twitter API and visualizes data</li></ul>	