

Annie Lu

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Education	University of Maryland, College Park	December 2020
	Bachelor of Science in Computer Science GPA: 3.5 Dean's List (2019, 2020) President's Scholarship	
	Environment Technology and the Economy Scholar	May 2019
	A selective University of Maryland program interconnecting technology and sustainability through course studies and academic excursions.	
Skills	Languages	Python, Java, Ruby, Javascript, HTML5, CSS3, SQL, C, OCaml, Rust, Kotlin
	Libraries	React, Express, Bootstrap, NumPy, Pandas, Scikit-Learn, NLTK, SpaCy
	Technologies	GIT, UNIX, Docker, MongoDB, Node.js, Django, Postman, Jupyter, LaTeX, Figma
Employment	Tech Analyst Intern	June 2020 to August 2020
	<i>Bank of America</i>	Remote
	<ul style="list-style-type: none">Built an internal chatbot that defines financial terms and provides documents to business analysts.Developed a RESTful Flask API with endpoints that utilize the Natural Language Processing Toolkit to transform user questions into structured data.Lead two interns to create the chatbot user interface with Bootstrap, after prototyping in Figma.	
	CMSC351 Algorithms Teaching Assistant	January 2020 to December 2020
	<i>UMD Computer Science Department</i>	College Park, MD
	<ul style="list-style-type: none">Answered homework questions and reviewed algorithms taught in lecture during weekly office hours. Office hours attended by 15 students weekly, on average.Edited problem sets, designed rubrics, and proctored exams. Coordinated with the professor and 11 other teaching assistants to grade assignments for over 400 students.	
	Part-Time Software Engineer Intern	September 2019 to December 2019
	<i>Capital One Tech Incubator</i>	Remote
	<ul style="list-style-type: none">Identified and automated compliance tasks with the Jira API—saving engineering lead's time spent on understanding, checking, and following security compliance standards.Improved compliance data retrieval by data wrangling JSON and CSV files with Pandas DataFrames.	
	Software Engineer Intern	June 2019 to August 2019
	<i>Capital One Tech Incubator</i>	Tysons, VA
	<ul style="list-style-type: none">Developed a metadata validation program with Python and SpaCy to ensure data suppliers provide high-quality column descriptions for all datasets.Prepared training data for a GPT-2 language model by applying natural language processing techniques to over 1200 Capital One documents. Specifically, expanded abbreviations, then quantified the financial relevance, document similarity, and grammatical correctness of descriptions.	
	Computer Science Tutor	September 2018 to December 2019
	<i>Maryland Center for Women in Computing</i>	College Park, MD
	<ul style="list-style-type: none">Led guided study sessions twice a week. Reviewed different courses each semester, including Discrete Structures (CMSC250), Programming Languages (CMSC330), and Algorithms (CMSC351).Individually tutored 60 students, with 140 appointments during the 2018-2019 school year.	
Leadership	Technica Hackathon Design Director	January 2020 to December 2020
	<ul style="list-style-type: none">Managed a team of 10 designers to create site prototypes, social media posts, and swag. Led weekly meetings for design brainstorming, critiques, and task updates.Designed an online platform for 2000 attendees (hackers, mentors, and sponsors) to use during our virtual hackathon. Used Figma to collaborate on prototypes with the tech team.	
	Technica Hackathon Graphic Designer	April 2019 to November 2019
Coursework	Single Page Web Application Development, Database Design, Advanced Data Structures, Advanced Algorithms, Intro to Data Science, Intro to Computer Systems, Object-Oriented Programming I & II	