

Annie Lu

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Education	University of Maryland, College Park	Expected December 2020
	Bachelor of Science in Computer Science GPA: 3.5 Dean's List (2020) President's Scholarship Environment Technology and the Economy Scholar A selective University of Maryland program interconnecting technology and sustainability through course studies and academic excursions.	May 2019
Skills	Languages	Python, Java, Ruby, Javascript, HTML5, CSS3, SQL, C, OCaml, Rust, Kotlin
	Libraries	React, Bootstrap, NumPy, Pandas, Scikit-Learn, NLTK, SpaCy
	Technologies	GIT, UNIX, Docker, Node.js, Django, Postman, Jupyter, LaTeX, Figma, Adobe Illustrator
Employment	Tech Analyst Intern <i>Bank of America</i>	June 2020 to August 2020 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 utilizes the Natural Language Processing Toolkit to transform user questions into structured data.Helped two interns create the chatbot user interface with Bootstrap, after prototyping in Figma.	
	CMSC351 Algorithms Teaching Assistant <i>UMD Computer Science Department</i>	January 2020 to Present College Park, MD
	<ul style="list-style-type: none">Answer questions and review algorithms taught in lecture during weekly office hours.Help design problem sets and rubrics. Proctor exams. Coordinate with the professor and other teaching assistants to grade assignments for over 400 students.	
	Part-Time Software Engineer Intern <i>Capital One Tech Incubator</i>	September 2019 to Dec 2019 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 <i>Capital One Tech Incubator</i>	June 2019 to August 2019 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. Expanded Capital One-specific abbreviations, then quantified the financial relevance, document similarity, and grammatical correctness of descriptions.	
Leadership	Computer Science Tutor <i>Maryland Center for Women in Computing</i>	September 2018 to Dec 2019 College Park, MD
	<ul style="list-style-type: none">Co-led guided study sessions with another tutor. Reviewed different courses each semester, including: Discrete Structures (CMSC250), Programming Languages (CMSC330) and Algorithms (CMSC351).Individually tutored around 60 students, with 140 appointments during the 2018-2019 school year.	
	Technica Hackathon Design Director	January 2020 to Present
	<ul style="list-style-type: none">Manage a team of 10 designers to create site prototypes, social media posts, and swag. Lead weekly meetings for design brainstorming, critiques and task updates.Design an online platform for hackers, mentors, and sponsors to use during our virtual hackathon. Use Figma to collaborate on prototypes. Then, handoff static screens and user flows to the tech team.	
Coursework	Technica Hackathon Graphic Designer	April 2019 to November 2019
	Advanced Data Structures, Advanced Algorithms, Single Page Web Application Development, Database Design, Intro to Data Science, Intro to Computer Systems, Object-Oriented Programming I & II	