

# Annie Lu

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<b>Education</b>	<b>University of Maryland, College Park</b>	Expected December 2020
	Bachelor of Science in Computer Science GPA: 3.5   Dean's List (2020)   President's Scholarship	
	<b>Environment Technology and the Economy Scholar</b>	May 2019
	A selective University of Maryland program interconnecting technology and sustainability through course studies and academic excursions.	
<b>Skills</b>	<b>Languages</b>	Python, Ruby, Javascript, HTML5, CSS3, SQL, Java, C, OCaml, Rust, Kotlin
	<b>Libraries</b>	React, Bootstrap, NumPy, Pandas, Scikit-Learn, NLTK, SpaCy
	<b>Technologies</b>	GIT, UNIX, Docker, Node.js, Django, Postman, Jupyter, LaTeX, Figma, Adobe Illustrator
<b>Employment</b>	<b>Tech Analyst Intern</b>	June 2020 to August 2020
	<i>Bank of America</i>	Remote
	<ul style="list-style-type: none"><li>Built an internal chatbot that defines financial terms and provides documents to business analysts.</li><li>Developed a RESTful Flask API with endpoints that utilizes the Natural Language Processing Toolkit to transform user questions into structured data.</li><li>Helped two interns create the chatbot user interface with Bootstrap, after prototyping in Figma.</li></ul>	
	<b>CMSC351 Algorithms Teaching Assistant</b>	January 2020 to Present
	<i>UMD Computer Science Department</i>	College Park, MD
	<ul style="list-style-type: none"><li>Answer questions and review algorithms taught in lecture during weekly office hours.</li><li>Help design problem sets and rubrics. Proctor exams. Coordinate with the professor and other teaching assistants to grade assignments for over 400 students.</li></ul>	
	<b>Part-Time Software Engineer Intern</b>	September 2019 to Dec 2019
	<i>Capital One Tech Incubator</i>	Remote
	<ul style="list-style-type: none"><li>Identified and automated compliance tasks with the Jira API—saving engineering lead's time spent on understanding, checking, and following security compliance standards.</li><li>Improved compliance data retrieval by data wrangling JSON and CSV files with Pandas DataFrames.</li></ul>	
	<b>Software Engineer Intern</b>	June 2019 to August 2019
	<i>Capital One Tech Incubator</i>	Tysons, VA
	<ul style="list-style-type: none"><li>Developed a metadata validation program with Python and SpaCy to ensure data suppliers provide high quality column descriptions for all datasets.</li><li>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.</li></ul>	
	<b>Computer Science Tutor</b>	September 2018 to Dec 2019
	<i>Maryland Center for Women in Computing</i>	College Park, MD
	<ul style="list-style-type: none"><li>Co-led guided study sessions with another tutor. Reviewed different courses each semester, including: Discrete Structures (CMSC250), Programming Languages (CMSC330) and Algorithms (CMSC351).</li><li>Individually tutored around 60 students, with 140 appointments during the 2018-2019 school year.</li></ul>	
<b>Leadership</b>	<b>Technica Hackathon Design Director</b>	January 2020 to Present
	<ul style="list-style-type: none"><li>Manage a team of 10 designers to create site prototypes, social media posts, and physical swag. Lead weekly meetings for design critiques and task updates.</li><li>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.</li></ul>	
	<b>Technica Hackathon Graphic Designer</b>	April 2019 to November 2019
<b>Coursework</b>	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	