

Bailey A. Tinch

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Education:	University of Illinois - 3.89 GPA	Aug. 2017 - Present
	<ul style="list-style-type: none">• Bachelor of Science in Physics• Concentration in Computational Sciences and Mathematics• 53 Credit Hours / Dean's List	Urbana-Champaign, IL
Work Experience:	Miller Electric Mfg. - A Subsidiary of Illinois Tool Works	May 2017 - Present
	<i>Engineering Intern</i>	Beecher, IL
	<ul style="list-style-type: none">• Supported a team of 6 engineers and product managers with minimal oversight• Coordinated and carried out 16 interdepartment engineering changes• Streamlined development of the next generation patentable MIG gun consumables through daily collaboration with R&D and the lead innovation engineer• Worked on a team designing the next generation of manufacturing equipment, and streamlined the engineering design and quoting process for a new storage solution• Lab experience with sensitive equipment including precision scales, load cells, thermocouples, hygrometers, standard gages, and high potentiometers	
	University of Illinois - Department of Computer Science	Jan. 2018 - Present
	<i>CS 125 Course Assistant</i>	Urbana-Champaign, IL
Activities/Honors:	<ul style="list-style-type: none">• Focusing on enabling students to begin developing problem solving strategies through weekly office hours and course forum interactions• Currently working on a project to expand office hours accessibility across campus• Partaking in the overall development of the course for future students	
	Wendy's Food Services	June 2015 - Apr. 2016
	<i>Store Crew Member</i>	New Lenox, IL
	<ul style="list-style-type: none">• Performed a variety of roles apart of a small team in a fast-paced environment• Received corporate recognition for exceptional customer service twice	
	Association of Data Science and Analytics	Aug. 2017 - Present
Software Experience:	<i>Projects Member</i>	Urbana-Champaign, IL
	<ul style="list-style-type: none">• Partook in workshops and projects oriented around developing the fundamentals of data science and machine learning in Python• Currently apart of a team that will be developing a comprehensive Python web scraping API for the popular social media platform Reddit	
	Boy Scouts of America	Aug. 2005 - June 2017
	<i>Eagle Scout</i>	New Lenox, IL
	<ul style="list-style-type: none">• Proposed, developed, and organized an unprecedented electronics sustainability event leading a team of fellow scouts, school administrators, and business leaders• Initiated a partnership with Morning Star Mission to collect and repurpose cell phones as emergency call devices for poverous women and children• Collaborated directly with my school's IT and administration departments to host both intraschool and intercommunity electronic waste collection drives	
	Air Force Junior ROTC	Aug. 2013 - May 2017
	<i>Cyber Officer</i>	Aug. 2015 - May 2017
	<ul style="list-style-type: none">• Developed a comprehensive corps events tracking database management interface through Java that implemented the Apache POI API• Implemented a strong emphasis on technology education as the unit's team captain leading to platinum quarter finals placement in the national Air Force cyber security competition Cyber Patriot• Responsible for corps IT support reporting under the unit's Senior Instructor	
	<i>Notable Events/Recognitions</i>	
	<ul style="list-style-type: none">• National Semi-Finals placement with StellarXplorers team• United States Air Force Technology Education Student Award Recipient	Oct. 2016 - Apr. 2017 May 2016
	Other Notable Activities/Honors	
	<i>Recurring volunteer work with Free Geek Chicago</i>	Apr. 2016 - Present
	<i>Illinois State Scholar, AP Scholar with Distinction, ITW Foundation Scholar</i>	May 2017
	<i>JJC Invitational 2nd Place Oral Presentation on Finite State Machines</i>	Mar. 2017
	SolidWorks (Advanced), SolidEdge (Intermediate), MS Office (Intermediate), P5.js (Intermediate), Java (Intermediate), Python (Intermediate), Apache POI (Intermediate), Linux (Basic)	