

Raine Johanna Tenerelli

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Education

Wellesley College, Bachelor of Arts in Computer Science	2018 - 2022
Massachusetts Institute of Technology, Cross Registered Student	2018 - 2022

Experience

Wellesley College Security and Privacy Lab <i>Research Assistant To Professor Ada Lerner, Wellesley College CS Dept.</i>	Wellesley, MA <i>Mar 2019 - Present</i>
<ul style="list-style-type: none">Employed machine learning methods in Python to estimate the effect of being transgender on online privacy concernsUsed Qualtrics, MTurk, and Python programming to develop and process robust surveys	
Rewriting the Code (RTC) <i>Summer Hub Leader, Fellow</i>	Boston, MA <i>Oct 2018-Present</i>
<ul style="list-style-type: none">Organized 3 professional networking events for 40 RTC summer Boston area internsCoordinated with corporate recruiters to organize company events and manage social media groupsWrote articles for the RTC blog on using CS for social good	
FIRST Tech Challenge (FTC) Team <i>Founder, Team Captain, Programmer</i>	Ellensburg, WA <i>May 2017- Aug 2018</i>
<ul style="list-style-type: none">Developed algorithms to perform detailed autonomous tasks in various robotics competitions using JavaPlanned and led weekly 4-8 hour meetings where I taught a team of 9 students necessary STEM skills to build robotAcquired \$5,000 through fundraising and grants to purchase robot parts and outreach materials	

Projects

Pill Safety, 1st Place at HackMIT 2019	<i>Sept 2019</i>
<ul style="list-style-type: none">Developed a web-app to reduce the opioid epidemic by using visual recognition to unlock prescription pill containersProgrammed Raspberry Pi to take a picture and send it to the cloud for visual recognitionCreated a classifier using IBM Watson's Visual Recognition serviceImplemented Node-RED to create a flow that controls Raspberry Pi at the edge and from the cloud	
InTouch: A Contacts Web App	<i>July 2019 - Present</i>
<ul style="list-style-type: none">Built a scraper that uses Selenium and Python to scrape profile data from LinkedInCreated a web-based application with that displays updated information from LinkedIn for personal contacts	
Wellesley CS Majors: An Analysis	<i>July 2019 - Sept 2019</i>
<ul style="list-style-type: none">Found determinants of getting tech internships and created descriptive statistics and graphics after cleaning dataScraped LinkedIn profiles of Wellesley Computer Science majors to get employment and personal background data	
Potter Thoughts: Google Chrome Quote Generator	<i>June 2019</i>
<ul style="list-style-type: none">Google Chrome extension that randomly generates JK Rowling quotes when opened using HTML and Javascript	
Effect of Compulsory Schooling Laws on Education	<i>Feb - May 2019</i>
<ul style="list-style-type: none">Used fixed effect regression with instrumental vars. to estimate effect of compulsory schooling laws on educationObtained and cleaned a large dataset used in the study	

Skills

Programming: Python, Java, CSS, HTML, R, Stata — *Intermediate* ; C#, Assembly, Javascript, SQL, Node-RED — *Beginner*
Web Design: Designed and built rainetenerelli.com; designed team12878.org and kittcorobotics4h.org

Relevant Coursework

CS: Data Structures, Fundamentals of Programming, Computer Architecture

Math: Discrete Math, Multivariable Calculus, Linear Algebra

Data Analysis: Applied Data Analysis and Statistical Inference (QAI), Econometrics, Advanced Statistics 1 & 2

Leadership & Activities

Awards: HackMIT — 1st place prize for the best use of IBM's visual recognition service

Events: Google Women's College Summit (2019), WECODE Conf. (2019), HackWellesley (2018), HackHarvard (10/2019)

Presentations: Wellesley Science Center Summer Research (2019), 2 presentations at Symposium on Undergraduate Research and Creative Endeavors at Central Washington University (2017)

Company Relations & Sponsorship Manager, Robogals: Communicate with companies to fundraise for org (9/19 - present)

Treasurer, Wellesley Wushu: Write proposals for funding and ensure proper distribution of acquired funds (4/19 - present)

Webmaster, Wellesley College Computer Science Club: Maintained website & designed a new club logo (1/19 - 5/19)