

Raine Johanna Tenerelli

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Education

Wellesley College, Bachelor of Arts in Computer Science

Expected: May 2022

Massachusetts Institute of Technology, Cross Registered Student

Jan 2019 - Dec 2020

Relevant coursework: Fundamentals of Algorithms, Data Structures, Discrete Math, Foundations of Computer Systems, Databases, Principles of Programming Languages, Human and Computer Interaction, Virtual Reality

Experience

Microsoft

Remote Work

Software Engineering Intern, Search Ingestion + Schema Team

June 2021 - Aug 2021

- Migrated team's scripts using iSCOPE (querying language) to use serverless SQL pool to ensure the scripts' continued use and effectiveness
- Collaborated with tech lead, senior colleagues, and teams across the world to ensure the migration's success

Microsoft

Remote Work

New Technologist Intern

June 2020 - Aug 2020

- Built a functional web application to connect high school teachers and students using React, Redux, and TypeScript
- Learned agile software development and program management from Microsoft Engineers & Program Managers
- Conducted user research with 8 high school teachers and 23 high school students to understand customer needs

NRICH Invest

Wellesley, MA

Web Developer

Nov 2019 - March 2020

- Worked with UX designers and CEOs to build a website that helps college students improve their financial literacy
- Built a dynamic website using Bootstrap 4, Javascript, HTML, and CSS that ensures an excellent user experience

TAVTech

Tel Aviv, Israel

Cybersecurity Fellow

Dec 2019 - Jan 2020

- Selected for competitive (<5% acceptance) fellowship program to develop tangible, high-demand, technical skills
- Trained for 80+ hours to gain technical skills such as XSS, SQL Injection, and DDOS Attacks

Wellesley College Security and Privacy Lab

Wellesley, MA

Research Assistant To Professor Ada Lerner, Wellesley College CS Dept.

Mar 2019 - Jan 2020

- Employed statistical analysis methods in Python to estimate the effect of being transgender on online privacy concerns
- Used Qualtrics, MTurk, and Python programming to develop and process robust surveys

Projects

Note Taking App

April 2021

- Developed a note-taking application using **Kotlin**
- Used a room database for persistent storage and a RecyclerView to retrieve and display the note list

[Wushu Inventory Ninja](#)

Sep 2020 - Oct 2020

- Developed an inventory system using **Python**, **Flask**, and **MySQL** to keep track of Wushu weapons
- Implemented 5 features for users to filter weapons, submit check-out requests, and approve check-in requests.

Pill Safety, 1st Place at HackMIT 2019

Sept 2019

- Developed a web app to reduce the opioid epidemic by using visual recognition to unlock prescription pill containers
- Programmed Raspberry Pi to take a picture and send it to the cloud for visual recognition
- Created a classifier using IBM Watson's Visual Recognition service

Investigation of Wellesley Computer Science Majors

July 2019 - Sept 2019

- Scraped LinkedIn profiles of Wellesley Computer Science majors using Selenium and Python to get background data.
- Found determinants of getting tech internships using multiple regression analysis

Awards & Leadership

Programming: Python, Java, CSS, HTML — *Intermediate*; React, Javascript, C, SQL — *Beginner*

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

Tech Lead, Google Developers Student Club: lead and develop workshops to spread technical skills (2/21 - present)

Microsoft Learn Student Ambassador, Microsoft: organize activities for students to develop technical skills (1/20 - present)

Company Relations & Sponsorship Manager, Robogals: Communicate with companies to fundraise for org (9/19 - 02/20)

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)