

Mileva Van Tuyl

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EDUCATION

Wellesley College, Wellesley, MA

Expected Graduation May 2021

B.A. Computer Science, Minor Mathematics. | Cumulative GPA: 3.96

- **Skills:** Java, Python, C, HTML/ CSS, SQL

The University of Edinburgh, Edinburgh, Scotland

Sept. 2019 – Dec. 2019

Semester Abroad Exchange Program

TECHNICAL EXPERIENCE

Computer Science Lab (Dr. Eni Mustafaraj), Wellesley, MA

Sept. 2018 – Present

Research Assistant, SERP (Sophomore Early Research Program) Fellow

- Navigated and scraped data from HTML files using the Beautiful Soup **Python** Library.
- Extracted content from over 5000 Google knowledge panels and Wikipedia infoboxes using **Python** to explore the interactions between content on Google and Wikipedia.
- Conducted a systematic literature review and designed a 250-participant study to investigate website credibility.
- Qualitatively coded datasets using **ATLAS.ti** and presented the findings at the Wellesley College Science Summer Research Poster Session (August 2019).

CS230: Data Structures, Wellesley, MA

Nov. 2018 – Dec. 2018

Student, Group Project

- Developed software for Wellesley College using **Java**; software assigns students to writing courses based on student preferences so that the maximum number of students are assigned to one of their preferred courses.
- Implemented a perfect matching algorithm to obtain the optimal student-course placements.
- Designed a graphical user interface allowing college administrators to upload files with information about students and courses and then view the student rosters for each course.

Wellesley Hackathon, Wellesley, MA

Nov. 2018

Participant, Group Project

- Contributed to the development of ChillBit, an app to promote mental and physical health at Wellesley College.
- Used **Java** to design the log-in screen and pages that contained academic resources and personalized self-care tips.

ADDITIONAL EXPERIENCE (SELECTED)

Girls Who Code, Wellesley College, Wellesley, MA

Sept. 2018 – Present

Volunteer and Club Co-Organizer

- Develop and present curriculum to teach girls to code in Python and HTML/ CSS.
- Mentor girls in Framingham, MA to excite and prepare them for careers in Computer Science.
- Communicate with Wellesley Civic Engagement and program coordinators at schools in the Wellesley, MA area to arrange weekly after-school programs led by Wellesley College students.

Physical Chemistry Lab (Dr. Chris Arumainayagam), Wellesley, MA

Sept. 2017 – May 2018

Research Assistant

- Maintained and repaired an ultrahigh vacuum chamber, conducted experiments, and graphed and analyzed mass spectrometer data in order to research reactions occurring in the interstellar medium.
- Presented novel findings at the Northeast Student Chemistry Research Conference (April 2018).

PUBLICATIONS & SELECTED PRESENTATIONS

Arumainayagam, C., [et al., including **Van Tuyl, M.**], "Detection of Methoxymethanol as a Photochemistry Product of Condensed Methanol." *Monthly Notices of the Royal Astronomical Society: Letters*, vol. 485, no. 1, 2019, pp. 19-23.

Van Tuyl, M., & Kawakami, A. "Googling the News Source: What Users Want to Know When Assessing Credibility." Conference presentation at Wellesley College Ruhlman Conference, Wellesley, MA, May 2019.