

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

- Extracted content from over 5000 Google pages using **Python** to explore the interactions between content displayed in Google Knowledge Panels and Wikipedia Infoboxes.
- Conducted a literature review of 37 journal articles and conference papers to investigate the concept of credibility.
- Designed a user study involving 250 participants to identify the factors people use to evaluate website credibility.

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 curriculum and teach high school girls in Framingham, MA to code in Python and HTML/ CSS.
- Communicate with Wellesley Civic Engagement and program coordinators at local public schools 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 to simulate conditions in the interstellar medium.
- Gathered and analyzed mass spectrometer data to investigate reactions between methanol and methoxymethanol.

PUBLICATIONS & 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. "Credibility in the Age of Misinformation: How Internet Users Assess Website Credibility." Poster presentation at Wellesley College Science Center Summer Research Program, Wellesley, MA, August 2019.

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.

Van Tuyl, M., Zhang, C., & Arumainayagam, C. "First Detection of Methoxymethanol as a Photolysis Product of Methanol." Poster presentation at the Annual Northeast Student Chemistry Research Conference, Boston, MA, April 2018.