

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, HTML/ CSS, C, SQL, Scikit-learn

The University of Edinburgh, Edinburgh, Scotland

Sept. 2019 – Dec. 2019

Semester Abroad Exchange Program

TECHNICAL EXPERIENCE

INF2C: Software Engineering, Edinburgh, Scotland

Sept. 2019 – Dec. 2019

Partner Project

- Used **Java** to design and implement a bike rental system from scratch given a list of system specifications.
- Documented the system requirements and developed UML diagrams to model the system's structure and behavior.
- Constructed a bike rental system that enabled customers to find, reserve, and borrow bikes from local bike stores.
- Developed and wrote JUnit tests in **Java** to identify and address bugs and errors in the bike rental system.

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

Sept. 2018 – Sept. 2019

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 of 37 journal articles and conference papers and designed a 250-participant study to investigate website credibility.

CS230: Data Structures, Wellesley, MA

Nov. 2018 – Dec. 2018

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.
- Determined the optimal student-course placements using a perfect matching algorithm.
- Designed an interface allowing administrators to upload students' details and view the final rosters for each class.

Wellesley Hackathon, Wellesley, MA

Nov. 2018

Group Project

- Contributed to the development of ChillBit, an app promoting mental and physical health at Wellesley College.
- Used **Java** to construct the log-in screen and pages containing 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 how 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.

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. "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.