

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, JavaScript, SQL, Linux, C

The University of Edinburgh, Edinburgh, Scotland

Sept. 2019 – Dec. 2019

Semester Abroad Exchange Program

TECHNICAL EXPERIENCE

Genospace, Boston, MA

March 2020

Software Engineer Intern

- Selected as one of three interns from over 3000 applicants. Summer 2020 program cancelled due to COVID-19 disruptions.
- During the interview process, designed and implemented a web client using **HTML**, **Flask**, and **MySQL** for users to search and view drug records stored in a database.

INF2C: Software Engineering, Edinburgh, Scotland

Sept. 2019 – Dec. 2019

Partner Project

- Used **Java** to develop a bike rental system to specifications following the software development life cycle.
- Designed and modeled the system using UML diagrams and by applying principles of object oriented design.
- Constructed a bike rental system that enabled customers to find, reserve, and borrow bikes from local bike stores.
- Developed and wrote unit and system tests using **JUnit** to identify 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 pages to study interactions between content on Google and Wikipedia.
- Conducted a systematic literature review 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.
- Designed a graphical user interface (GUI) allowing administrators to view the final rosters for each class.

Wellesley Hackathon, Wellesley, MA

Nov. 2018

Group Project

- Used **Java** and Android Studio to create ChillBit, a mobile app promoting mental and physical health at Wellesley College.

ADDITIONAL EXPERIENCE (SELECTED)

Pforzheimer Learning and Teaching Center, Wellesley College, Wellesley, MA

Jan. 2020 – Present

Computer Science Tutor

- Tutor students taking CS230: Data Structures at Wellesley College in one-on-one and group settings.
- Provide feedback on students' **Java** code in order to prepare them for upcoming assignments and exams.

Girls Who Code, Wellesley College, Wellesley, MA

Sept. 2018 – Present

Volunteer and Club Co-Organizer

- Develop and present curriculum to teach girls in Framingham, MA how to code in **Python**, **HTML**, and **CSS**.
- Communicate with program coordinators at public schools in the Wellesley, MA area to organize weekly after-school programs where Wellesley College students mentor and prepare girls for careers in Computer Science.

PUBLICATIONS & PRESENTATIONS (SELECTED)

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.