

# Jelizaveta Tsalaja

+372 58227820 | [jtsalaja@bates.edu](mailto:jtsalaja@bates.edu) | [linkedin.com/in/jelizaveta-tsalaja](https://www.linkedin.com/in/jelizaveta-tsalaja)

## EDUCATION

### Bates College

*Bachelor of Arts in Mathematics and Digital and Computational Studies*

Relevant Coursework: Data Structures and Algorithms, Web Development, Intro to Computer Science for Software Development, Linear Algebra, Mathematics for Social Justice, Intermediate Macroeconomic Theory, Applied Principles of Economics

### Tallinna Õismäe Vene Lütseum

*High School diploma with Gold Medal*

Lewiston, ME

Aug. 2023 – May 2027

Tallinn, Estonia

Sept. 2020 – June 2023

## EXPERIENCE

### Campus Life Student Assistant

*Bates College*

January 2024 – Present

Lewiston, ME

- Process and approve payment requests from clubs and organizations via the Bates Engage platform, implementing quality control measures to verify financial data accuracy, facilitating timely reimbursement and invoice processing
- Analyze student survey data by developing scripts to transform qualitative responses into quantitative metrics, creating interactive visualizations to present insights and support data-driven decision-making
- Oversee check-out processes for Campus Life resources, including Credit Cards and keys, while managing accurate inventory records and operating Booqable system maintenance

### DCS Search Student Committee Member

*Bates College*

January 2024 – Present

Lewiston, ME

- Play an integral role in evaluating prospective faculty candidates by attending various events, including research talks, teaching demonstrations, and student lunches
- Collaborate with committee members to provide insightful written feedback for each candidate, contributing to the selection process for new Digital and Computational Studies faculty members

### Volunteer Translator

*ClimateScience*

April 2022 – Aug. 2023

Tallinn, Estonia

- Translated educational content for ClimateScience, including website materials, courses, and children's literature, at a rate of 3500 words per week
- Enhanced data accessibility by ensuring accurate translations, enabling wider dissemination of climate insights
- Fostered international collaboration by delivering reliable climate education across various countries

## PROJECTS

### Algorithmic Maze Navigator | *Python*

January 2024 – Present

- Implemented OOP principles for efficient maze navigation
- Utilized custom data structures, including doubly-linked lists and custom Stack and Queue implementations, to optimize data manipulation
- Employed Depth First Search (DFS), Breadth First Search (BFS) and A\* algorithms for efficient maze exploration
- Conducted testing to evaluate algorithmic performance across diverse maze configurations

### Airways Review Visualisation | *Tableau, Microsoft Excel*

Dec. 2023 – March 2024

- Designed customized dashboard, incorporating various charts, graphs, and filters to present complex data in a clear and concise manner
- Utilized functionalities, including calculated fields and parameters, to conduct in-depth data analysis and uncover patterns
- Conducted extensive testing and validation of Tableau visualizations to ensure accuracy, consistency, and reliability of displayed data
- British Airways Review Tableau Dashboard

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, HTML, CSS

**Libraries & Frameworks:** pandas, NumPy, Matplotlib, React, Tailwind CSS, Bootstrap

**Data Analysis Tools:** Tableau, Excel