# Anael Kuperwajs Cohen

13924 177th PL NE
Redmond, WA 98052
℘ (425) 623 2521
✉ akuperwa@macalester.edu
🖰 https://anaelkuperwajs.github.io

## Education

**2017–2021** **Macalester College (St. Paul, MN)**.
B.A. in Computer Science and Applied Mathematics and Statistics
Concentration in Cognitive Science
GPA: 3.9/4.0

**Relevant Coursework**
*Computer Science*: Network Science, Collective Intelligence, Introduction to Artificial Intelligence, Computer Systems Organization, Algorithm Design and Analysis, Software Design and Development, Theory of Computation, Object-Oriented Programming and Data Structures
*Applied Mathematics and Statistics*: Advanced Data Science in R, Probability, Statistical Machine Learning, Discrete Mathematics, Linear Algebra, Applied Multivariable Calculus III, Introduction to Statistical Modeling
*Cognitive Science*: Developmental Psychology, Educational Psychology, Cognitive Neuroscience, Comparative Cognition, Philosophy of Mind, General Chemistry I/II, Justice, Race, and Class

## Research and Work Experience

**Summer 2020** **Computer Science Education Research Assistant**, *University of Washington*, Seattle, WA.
- Studied factors that influence social help-seeking of CS1 students
- Conducted semi-structured interviews and performed qualitative analysis
- Member of the Code and Cognition lab within the Information School
- Part of the Design. Use. Build. (DUB) community: the intersection of HCI and Design at UW

**Summer 2019** **Interdisciplinary Software Engineering Research Assistant**, *Carnegie Mellon University*, Pittsburgh, PA.
- Penrose project: turns simple mathematical notation into diagrams
- Implemented Penrose Tutor: problem sets that utilize visuals for math education
- Paper accepted into PLATEAU, an HCI and PL workshop
- Used JSX and CSS in React

**Summer 2018** **Virtual Classics Research Assistant**, *Macalester College*, St. Paul, MN.
- Virtual reality programming in C# with Unity
- Implementation and evaluation of 3D partial-object selection interfaces
- Used HTC Vive head mounted VR display, wireless Vive controllers, and a laser-based tracking system
- Clare Boothe Luce grant recipient

**2018–2021** **Computer Science and Statistics TA**, *Macalester College*, St. Paul, MN.
- Object-Oriented Programming and Data Structures (COMP 124), Statistical Machine Learning (STAT 253), Introduction to Statistical Modeling (STAT 155), Theory of Computation (COMP/MATH 361)
- Instruct the intro to Java course lab period
- Grade class projects, give feedback on assignments, and provide constructive support for students during weekly office hours

## Publications

**Conferences and Workshops**.
- **Kuperwajs Cohen, A.**, Ni, W., & Sunshine, J. (2019). Designing Declarative Language Tutorials: a Guided and Individualized Approach. OASIcs, Vol. 76, PLATEAU.
- Jackson, B., Beckham, K., **Kuperwajs Cohen, A.**, Heggeseth, B. (2019). Comparing Convex Region-of-Interest Selection Techniques for Surface Geometry. Virtual Reality and Software Technology.

## Technical skills

**Programming**.
- Comfortable in Java and R. Familiar with C#, C, JavaScript, JSX, CSS, HTML, Python.
- Example Code: *https://github.com/anaelkuperwajs*

**Software**.
- Comfortable with Git, RStudio, Gephi, Microsoft Office. Familiar with Unity, React.

**Languages**.
- Proficient in English, Spanish, Hebrew.

## Honors, Awards, and Recognition

| | |
|---|---|
| 2017-2020 | Macalester College Dean's List |
| 2017-2021 | DeWitt Wallace Distinguished Scholar (4-Year Merit Scholarship) |
| 2017 | Woodinville High School Valedictorian (GPA: 4.0/4.0) |
| 2016 | National Hispanic Recognition Award (PSAT) |
| 2016 | AP Scholar with Distinction |

## Service and Activities

| | |
|---|---|
| 2018-2021 | 13th Street, LatinX hip hop dance group: founder and chair |
| 2018-2021 | Naming Hate, an annual series of anti-hate lectures and workshops: founder and coordinator |