Anael Kuperwajs Cohen

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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

June 2020 - May 2021 **Computer Science Education Research Assistant**, *University of Washington*, Seattle, WA.
- Studied factors that influence social help-seeking of introductory programming students
- Conducted semi-structured interviews and performed thematic analysis and qualitative coding on the ensuing transcripts
- Research extended into an undergraduate honors thesis
- Member of the Code and Cognition Lab within the Information School and the Design. Use. Build. (DUB) community: the intersection of HCI and Design

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
- Studied effective tutorials for programming languages
- 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