Phone: 217-725-2222
Website: jkvalero.com

Jacob Valero
jvalero@haverford.edu

370 Lancaster Avenue
Haverford, PA 19041

Education

Haverford College: Haverford, PA   Bachelor of Science, Expected May 2022

- *Major:* Computer Science   *GPA:* 3.72
- *Minors:* Neuroscience, Psychology
- *Relevant Courses:* Research Methods & Statistics, Introduction to Computer Science, Introduction to Data Structures and Algorithms, Web Development, Introduction to Biometrics, Principles of Programming Languages, Principles of Computer Organization and Discrete Mathematics.

Experience

Haverford Computer Science, *Teacher's Assistant, Haverford College*   2020-present

- Assist students in learning computer science fundamentals, such as algorithm design.
- Communicate computer science concepts clearly to students who are new to the field.
- Review and edit course material for potential gaps in students' understanding.
- Facilitate communication between computer science faculty and students.

Office of Academic Resources, *Peer Tutor*, *Haverford College*   2020-present

- Tutor students in 1-on-1 sessions for courses such as Introduction to Computer Science and Introduction to Data Structures.
- Instruct students on fundamental design principles, such as modular, abstract, and top-down design.
- Implement student feedback to improve tutoring ability.

Visual Perception and Spatial Cognition Laboratory, *RA, University of Utah*   Summer 2020

- Contributed to the design of psychology experiments coded in C# using Unity.
- Performed exploratory statistical analysis on experimental data using Python.
- Reviewed literature on perception and cognition in virtual environments.
- Communicated between participants and researchers about participating in experiments.

Activities

Haverford Effective Altruism, *Cohead and Treasurer, Haverford College*   2018-2020

- Planned and facilitated weekly meetings and events discussing the ideas of the Effective Altruism Movement.
- Conducted semesterly six-week long career-focused workshops based on the book *80,000 Hours*.
- Coordinated fundraising for general club funds and to attend conferences.
- Advertised club events on social media, email, and posters on campus.
- Invited speakers to discuss ideas related to Effective Altruism.

Haverford Honor Council, *Student Representative/Student Council Liaison*   2019-2020

- Reevaluated the Haverford honor code through discussion based on data and community feedback.
- Reviewed and discussed cases of potential violation of the honor code.
- Discussed appropriate measures of accountability, restoration, and education for violations of the honor code.

Achievements

- Attained first place at the 2019 Tricollege Hackathon by prototyping a bilingual financial literacy game for young children.

Skills

Languages

- Proficient: Python, Java, C#
- Familiar: JavaScript, HTML, CSS