

# STEFAN HELLER

stheller.com

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## EDUCATION

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### University of Maryland at College Park

Sophomore Physics Major

College of Computer, Mathematical, & Natural Sciences

May 2018-2022

Overall GPA: 3.7

#### Academic Achievements

- Dean's list in every completed semester at UMD

#### Related Course Work

- Programming – Object Oriented Programming, Applied Machine Learning
- Math – Calculus III, Linear Algebra, Differential Equations, Complex Analysis
- Physics – Quantum and Statistical Mechanics, Optics, Mechanics, and Electrical Labs

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## SKILLS

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**Languages:** Python, SQL, Java, C#, CSS, HTML5, MATLAB, Mathematica

**Frameworks:** MVC 5, Jekyll

**Operating Systems:** MacOS, Linux, Windows

**Other:** Bash, Microsoft Office, CPR/First Aid Certification from the Red Cross

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## WORK EXPERIENCE

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### University of Maryland, College of Computer, Mathematical and Natural Sciences

College Park, MD

*Undergraduate Teaching Assistant - PHYS260 & PHYS122*

Jan 2020-Present

- Led discussion sections to supplement and further explain lectures
- Created and graded quizzes on topics covered in lecture
- Held office hours where I interacted individually with students to help explain and elaborate on concepts

### The Washington Service

Bethesda, MD

*IT Intern*

May-August 2018, 2019

- Worked on a small IT team to build and maintain software including Web and Internal apps using ASP.NET, SQL and C#
- Conducted data entry and database maintenance
- Ported existing programs into newer, preferred languages

### American University Gravity and Thermal Noise Lab

Washington, DC

*Researcher*

June-August 2017

- Worked in a team of 3 undergraduate researchers to analyze the statistical distribution of quality factor on LIGO mirror coatings
- Assisted in writing software to do statistical calculations and data analysis
- Maintained and operated extremely sensitive lab equipment

### Mohican Pool

Bethesda, MD

*Swim Coach*

May-July 2014, 2015, 2016, 2017

- Worked in a team of 6 other coaches to organize team events and competition line ups
- Coached children ages 4 to 18 in novice to advanced competitive swimming technique

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## ACTIVITIES

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### Climbing Club Vice President (UMD)

August 2018-Present

- Worked in a team of 4 executive board members to manage a club of about 60 athletes
- Organized club activities and competitions
- Acted as one of the main points of communication with the governing body

### Captain of Varsity High School Swim Team (Walt Whitman HS)

November 2017-March 2018

- Elected captain of Varsity Swim Team
- Organized and facilitated social events
- Competed and helped others to compete in team events